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OM protein - protein search, using sw model

Run on: July 12, 2003, 09:28:29 ; Search time 19.1481 Seconds
(without alignments)
133.759 Million cell updates/sec

Title: US-09-847-637b-1

Perfect score: 122

Sequence: 1 GPKGRNVLEKMGAPITINDG 22

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 445758 seqs, 116419773 residues

1 number of hits satisfying chosen parameters: 230949

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB pep:*
- 2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB pep:*
- 3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB pep:*
- 4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB pep:*
- 5: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB pep:*
- 6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB pep:*
- 7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB pep:*
- 8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB pep:*
- 9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB pep:*
- 10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB pep:*
- 11: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB pep:*
- 12: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB pep:*
- 13: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB pep:*
- 14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	122	100.0	22	10	US-09-847-637b-1
2	90	73.0	16	10	US-09-847-637b-2
3	88	72.1	133	9	US-10-079-623-366
4	88	72.1	135	10	US-09-925-301-1543
5	88	72.1	143	10	US-09-925-300-1768
6	88	72.1	145	10	US-09-925-301-1542
7	88	72.1	168	10	US-09-925-300-1769
8	87	71.3	16	10	US-09-847-637b-3
9	87	71.3	48	9	US-10-269-557-18
10	59	48.4	20	10	US-09-847-637b-4
11	50	41.0	136	9	US-10-102-806-460
12	50	41.0	137	9	US-09-764-891-3207
13	45	31.0	137	10	US-09-908-711-94
14	45	31.0	138	10	US-09-925-297-879
15	44.5	36.5	188	9	US-09-893-737-16
16	42	34.4	70	9	US-09-948-237-11
17	42	34.4	183	9	US-09-948-237-8
18	42	34.4	200	9	US-10-235-674-8
19	42	34.4	200	10	US-09-263-689-8

20	41	33.6	138	10	US-09-867-550-766	Sequence 766, App
21	40.5	33.2	92	9	US-09-764-891-2823	Sequence 2823, App
22	40	32.8	62	9	US-10-106-698-7805	Sequence 7805, App
23	40	32.8	119	9	US-10-101-464A-745	Sequence 745, App
24	40	32.8	130	10	US-09-925-301-1203	Sequence 1203, App
25	39	32.0	117	9	US-10-156-761-7653	Sequence 7653, App
26	39	32.0	132	10	US-09-925-297-895	Sequence 895, App
27	38.5	31.6	151	9	US-09-738-626-5916	Sequence 5916, App
28	38	31.1	132	9	US-10-156-761-12474	Sequence 12474, A
29	38	31.1	155	10	US-09-864-761-41285	Sequence 41285, A
30	38	31.1	160	9	US-09-797-464A-8	Sequence 8, Appl
31	38	31.1	167	9	US-09-797-464A-6	Sequence 6, Appl
32	37.5	30.7	70	9	US-09-796-692-1819	Sequence 1819, App
33	37.5	30.7	70	9	US-09-796-692-2073	Sequence 2073, App
34	37.5	30.7	70	9	US-09-796-692-2313	Sequence 2313, App
35	37.5	30.7	70	9	US-10-040-662-1819	Sequence 1819, App
36	37.5	30.7	70	9	US-10-040-662-2073	Sequence 2073, App
37	37.5	30.7	70	9	US-10-040-662-2313	Sequence 2313, App
38	37	30.3	51	9	US-10-083-557-839	Sequence 839, App
39	37	30.3	67	10	US-09-867-550-1066	Sequence 1066, App
40	37	30.3	68	9	US-09-158-722-31	Sequence 31, Appl
41	37	30.3	80	10	US-09-864-761-41649	Sequence 41649, A
42	37	30.3	110	9	US-10-156-761-13858	Sequence 13858, A
43	37	30.3	115	10	US-09-827-949-39	Sequence 39, Appl
44	37	30.3	132	10	US-09-864-761-40852	Sequence 40852, A
45	37	30.3	180	9	US-10-245-103-20	Sequence 20, Appl

ALIGNMENTS

RESULT 1
US-09-847-637b-1
Sequence 1, Application US/09847637B
Patent No. US20020150586A1
GENERAL INFORMATION:
APPLICANT: Napatek, Yaakov
APPLICANT: Umaneky, Rina
APPLICANT: Kaehi, Yechezkel
TITLE OF INVENTION: NOVEL AMINO ACID SEQUENCES, DNA ENCODING
TITLE OF INVENTION: THE AMINO ACID SEQUENCES, ANTIBODIES DIRECTED AGAINST SUCH
FILE REFERENCE: 13125-002001
CURRENT APPLICATION NUMBER: US/09/847,637B
CURRENT FILING DATE: 2001-05-02
PRIOR FILING DATE: 1999-11-04
PRIOR APPLICATION NUMBER: PCT/IL99/00595
PRIOR FILING DATE: 1998-11-05
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1
LENGTH: 22
TYPE: PRT
ORGANISM: Mycobacterium tuberculosis
US-09-847-637b-1
Query Match 100.0%; Score 122; DB 10; Length 22;
Best Local Similarity 100.0%; Pred. No. 3.4e-12;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Db 1 GPKGRNVLEKMGAPITINDG 22
OY |||||
1 GPKGRNVLEKMGAPITINDG 22
RESULT 2
US-09-847-637b-2
Sequence 2, Application US/09847637B
Patent No. US20020150586A1
GENERAL INFORMATION:
APPLICANT: Napatek, Yaakov
APPLICANT: Umaneky, Rina

APPLICANT: Kashi, Yechezkel
TITLE OF INVENTION: NOVEL AMINO ACID SEQUENCES, DNA ENCODING
TITLE OF INVENTION: THE AMINO ACID SEQUENCES, ANTIBODIES DIRECTED AGAINST SUCH
TITLE OF INVENTION: SEQUENCES AND THE DIFFERENT USES THEREOF
FILE REFERENCE: 13125-002001
CURRENT APPLICATION NUMBER: US/09/847,637B
CURRENT FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: PCT/IL99/00595
PRIOR FILING DATE: 1999-11-04
PRIOR APPLICATION NUMBER: 60/107,213
PRIOR FILING DATE: 1998-11-05
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO: 2
LENGTH: 16
TYPE: PRT
ORGANISM: Mycobacterium tuberculosis
US-09-847-637B-2

Query Match 73.8%; Score 90; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 2,1e-07;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GPKGRNVLEKKWGAPTTNDG 16
Db 1 GPKGRNVLEKKWGAP 16

RESULT 3
US-10-079-623-366

Sequence 366, Application US/10079623
Patent No. US20020169302A1
GENERAL INFORMATION:
APPLICANT: Havukkala, Ilkka J.
APPLICANT: Glenn, Matthew
APPLICANT: Grigor, Murray R.
APPLICANT: Moienaar, Adrian J.
TITLE OF INVENTION: Compositions isolated from bovine
TITLE OF INVENTION: mammary gland and methods for their use.
FILE REFERENCE: 11000,104c3
CURRENT APPLICATION NUMBER: US/10/079,623
CURRENT FILING DATE: 2002-02-19
NUMBER OF SEQ ID NOS: 370
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 366
LENGTH: 133
TYPE: PRT
ORGANISM: Bovine
US-10-079-623-366

Query Match 72.1%; Score 88; DB 9; Length 133;
Best Local Similarity 59.1%; Pred. No. 4,6e-06;
Matches 13; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy 1 GPKGRNVLEKKWGAPTTNDG 22
Db 56 GPKGRVILIQSWGSPKVTYKDG 77

RESULT 4
US-09-925-301-1543

Sequence 1543, Application US/09925301
Patent No. US20020052308A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA106
CURRENT APPLICATION NUMBER: US/09/925,301
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05882
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12

NUMBER OF SEQ ID NOS: 1694
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1543
LENGTH: 135
TYPE: PRT
ORGANISM: Homo sapiens
US-09-925-301-1543

Query Match 72.1%; Score 88; DB 10; Length 135;
Best Local Similarity 59.1%; Pred. No. 4,7e-06;
Matches 13; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy 1 GPKGRNVLEKKWGAPTTNDG 22
Db 26 GPKGRVILIQSWGSPKVTYKDG 47

RESULT 5
US-09-925-300-1768

Sequence 1768, Application US/09925300
Patent No. US20020151681A1
GENERAL INFORMATION:
APPLICANT: Craig Rosen,
APPLICANT: Steve Ruden,
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA101
CURRENT APPLICATION NUMBER: US/09/925,300
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05988
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1768
LENGTH: 143
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (4)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (7)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (8)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-300-1768

Query Match 72.1%; Score 88; DB 10; Length 143;
Best Local Similarity 59.1%; Pred. No. 5e-06;
Matches 13; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy 1 GPKGRNVLEKKWGAPTTNDG 22
Db 114 GPKGRVILIQSWGSPKVTYKDG 135

RESULT 6
US-09-925-301-1542

Sequence 1542, Application US/09925301
Patent No. US20020052308A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA106
CURRENT APPLICATION NUMBER: US/09/925,301
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05882
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12

NUMBER OF SEQ ID NOS: 1694
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1542
LENGTH: 145
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (40)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-301-1542

Query Match 72.1%; Score 88; DB 10; Length 145;
Best Local Similarity 59.1%; Pred. No. 5.1e-06;
Matches 13; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy 1 GPKGRNVLEKKWGAPTTNDG 22
Db 67 GPKGRNVLEKKWGSPKVTKDG 88

RESULT 7
US-09-925-300-1769
Sequence 1769, Application US/09925300
Patent No. US20020151681A1
GENERAL INFORMATION:
APPLICANT: Craig Rosen,
APPLICANT: Steve Ruben
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA101
CURRENT APPLICATION NUMBER: US/09/925,300
PRIOR FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05988
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1769
LENGTH: 168
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (7)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (112)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (41)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (47)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (115)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (121)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (131)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (163)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-300-1769

Query Match 72.1%; Score 88; DB 10; Length 168;
Best Local Similarity 59.1%; Pred. No. 6e-06;
Matches 13; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy 1 GPKGRNVLEKKWGAPTTNDG 22
Db 74 GPKGRNVLEKKWGSPKVTKDG 95

RESULT 8
US-09-847-637b-3
Sequence 3, Application US/09847637B
Patent No. US20020150586A1
GENERAL INFORMATION:
APPLICANT: Naparstek, Yaakov
APPLICANT: Umaneky, Rina
APPLICANT: Kashl, Yechazkel
TITLE OF INVENTION: NOVEL AMINO ACID SEQUENCES, DNA ENCODING
TITLE OF INVENTION: THE AMINO ACID SEQUENCES, ANTIBODIES DIRECTED AGAINST SUCH
TITLE OF INVENTION: SEQUENCES AND THE DIFFERENT USES THEREOF
FILE REFERENCE: 11125-002001
CURRENT APPLICATION NUMBER: US/09/847,637B
PRIOR FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: PCT/IL99/00595
PRIOR FILING DATE: 1999-11-04
PRIOR APPLICATION NUMBER: 60/107,213
PRIOR FILING DATE: 1998-11-05
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 16
TYPE: PRT
ORGANISM: Mycobacterium tuberculosis
US-09-847-637b-3

Query Match 71.3%; Score 87; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 6e-07;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 7 VLEKKWGAPTTNDG 22
Db 1 VLEKKWGAPTTNDG 16

RESULT 9
US-10-269-557-18
Sequence 18, Application US/10269557
Publication No. US20030099664A1
GENERAL INFORMATION:
APPLICANT: Winiowski, Jan
TITLE OF INVENTION: HEAT SHOCK GENES AND PROTEINS FROM
TITLE OF INVENTION: NEISSERIA MENINGITIDIS, CANDIDA GLABRATA AND ASPERGILLUS
FILE REFERENCE: 870109,411
CURRENT APPLICATION NUMBER: US/10/269,557
PRIOR FILING DATE: 2002-10-11
PRIOR APPLICATION NUMBER: US/09/207,388
PRIOR FILING DATE: 1998-12-08
NUMBER OF SEQ ID NOS: 102
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 18
LENGTH: 48
TYPE: PRT
ORGANISM: aspergillus fumigatus
US-10-269-557-18

Query Match 62.3%; Score 76; DB 9; Length 48;
Best Local Similarity 61.9%; Pred. No. 0.0001;
Matches 13; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy 1 GPKGRNVLEKKWGAPTTND 21
Db 28 GPKGRNVLEKKWGSPKVTKDG 48

RESULT 10
US-09-847-637b-4

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; Sequence 4, Application US/09847637B
; Patent No. US20020150586A1
; GENERAL INFORMATION:
; APPLICANT: Naparstek, Yaakov
; APPLICANT: Ulanovsky, Rita
; APPLICANT: Kaeshi, Yecheskel
; TITLE OF INVENTION: NOVEL AMINO ACID SEQUENCES, DNA ENCODING
; TITLE OF INVENTION: THE AMINO ACID SEQUENCES, ANTIBODIES DIRECTED AGAINST SUCH
; TITLE OF INVENTION: SEQUENCES AND THE DIFFERENT USES THEREOF
; FILE REFERENCE: 13125-002001
; CURRENT APPLICATION NUMBER: US/09/847,637B
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: PCT/IL99/005935
; PRIOR FILING DATE: 1999-11-04
; PRIOR APPLICATION NUMBER: 60/107,213
; PRIOR FILING DATE: 1998-11-05
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-847-637B-4

Query Match      48.4%; Score 59; DB 10; Length 20;
Best Local Similarity 50.0%; Pred. No. 0.016;
Matches 8; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY      7 VLEKKGAPITNDG 22
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Db      2 VIEQSGSPKVTKDG 17

RESULT 11
US-10-102-806-460
; Sequence 460, Application US/10102806
; Publication No. US20030054421A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA103PICI
; CURRENT APPLICATION NUMBER: US/10/102,806
; CURRENT FILING DATE: 2002-03-22
; PRIOR APPLICATION NUMBER: 09/925,298
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05881
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 846
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 460
; LENGTH: 136
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (119)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (130)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (135)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-102-806-460

Query Match      41.0%; Score 50; DB 9; Length 136;
Best Local Similarity 45.5%; Pred. No. 3.4;
Matches 10; Conservative 4; Mismatches 8; Indels 0; Gaps 0;

QY      1 GPKGRNVLEKKWGAPITNDG 22
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Db      42 GPNGLDKMVMVDKGDVTVTNDG 63

RESULT 12
US-09-764-891-3207
; Sequence 3207, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PAM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3207
; LENGTH: 137
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (120)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (131)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (136)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-891-3207

Query Match      41.0%; Score 50; DB 9; Length 137;
Best Local Similarity 45.5%; Pred. No. 3.5;
Matches 10; Conservative 4; Mismatches 8; Indels 0; Gaps 0;

QY      1 GPKGRNVLEKKWGAPITNDG 22
       |||::|||::|||
Db      43 GPNGLDKMVMVDKGDVTVTNDG 64

RESULT 13
US-09-908-711-94
; Sequence 94, Application US/09908711
; Patent No. US20020045230A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA128
; CURRENT APPLICATION NUMBER: US/09/908,711
; CURRENT FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US01/01360
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,867
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01344
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,892
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01345
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,888
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01339
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,905
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01354
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,891
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; PRIOR APPLICATION NUMBER: US01/01339
; PRIOR FILING DATE: 2001-01-17
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PRIOR APPLICATION NUMBER: 09/764,869
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01340
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,874
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01334
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,898
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01320
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,853
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01349
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PRIOR APPLICATION NUMBER: 09/764,902
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01239
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,870
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PRIOR APPLICATION NUMBER: US01/01348
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,882
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01347
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,896
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01307
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,864
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01341
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,856
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01336
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,868
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01312
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 60/179,065
PRIOR FILING DATE: 2000-01-31
PRIOR APPLICATION NUMBER: 60/180,628
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: 60/209,467
PRIOR FILING DATE: 2000-06-07
NUMBER OF SEQ ID NOS: 167
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 94
LENGTH: 137
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (1120)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (1131)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (1136)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-908-711-94

Query Match 41.0%; Score 50; DB 10; Length 137;
Best Local Similarity 45.5%; Pred. No. 3.5;
Matches 10; Conservative 4; Mismatches 8; Indels 0; Gaps 0;
CY 1 GPKGRNVLEKKMGAPITINDG 22

Db 43 GPNGLDKRMVDCDGVTVINDG 64

RESULT 14
US-09-925-297-879
Sequence 879, Application US/09925297
Patent No. US20020081659A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA105
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05989
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 928
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 879
LENGTH: 138
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (83)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (102)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (107)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (111)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (113)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (115)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (125)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (127)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (132)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (135)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-297-879

Query Match 36.9%; Score 45; DB 10; Length 138;
Best Local Similarity 41.2%; Pred. No. 21;
Matches 7; Conservative 3; Mismatches 7; Indels 0; Gaps 0;
CY 6 NVVLEKKMGAPITINDG 22
Db 71 NVMIETWMAHPNKLKRDG 87

RESULT 15
US-09-893-737-16
Sequence 16, Application US/09893737
Patent No. US20020110855A1
GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
APPLICANT: Presnell, Scott R.

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 12, 2003, 09:24:54 ; Search time 13.037 Seconds
(without alignments)
49.651 Million cell updates/sec

Title: US-09-847-637B-1

Perfect score: 122

Sequence: 1 GPKGRNVVLEKKMGAPITINDG 22

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues

Number of hits satisfying chosen parameters: 219319

Minimum DB seq length: 0

Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued_Patents_AA:*
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2: /cgn2_6/ptodata/1/1aa/5B COMB.pep:*
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5: /cgn2_6/ptodata/1/1aa/PCTUS COMB.pep:*
6: /cgn2_6/ptodata/1/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	42	34.4	200	3	US-08-946-914-8
2	42	34.4	200	4	US-09-656-450-8
3	40	32.8	184	2	US-08-647-960-10
4	38	31.1	35	2	US-08-598-873-15
5	38	31.1	35	4	US-08-605-430-15
6	37	30.3	68	2	US-08-456-647B-31
7	37	30.3	68	2	US-08-237-401A-31
8	37	30.3	68	2	US-08-469-537A-47
9	37	30.3	91	4	US-08-858-207A-396
10	37	30.3	115	1	US-08-542-363-39
11	37	30.3	115	4	US-09-100-089-39
12	37	30.3	115	4	US-09-670-827-39
13	37	30.3	172	2	US-08-469-537A-86
14	36	29.5	8	2	US-08-467-822-11
15	36	29.5	8	4	US-08-432-697-11
16	36	29.5	8	4	US-08-466-248-11
17	36	29.5	94	4	US-09-149-476-505
18	36	29.5	141	3	US-08-906-769-135
19	36	29.5	141	3	US-08-906-616-135
20	36	29.5	141	4	US-08-639-075A-135
21	36	29.5	141	4	US-09-012-431-135
22	36	29.5	141	4	US-09-012-692-135
23	36	29.5	141	4	US-08-936-613-135
24	35	28.7	199	1	US-08-936-165A-388
25	35	28.7	18	1	US-08-204-487-4
26	35	28.7	20	1	US-07-755-161A-1
27	35	28.7	20	1	US-07-755-161A-2

28	35	28.7	20	1	US-07-891-174-1	Sequence 1, Appl1
29	35	28.7	20	1	US-07-891-174-2	Sequence 2, Appl1
30	35	28.7	20	1	US-08-204-487-2	Sequence 2, Appl1
31	35	28.7	20	1	US-08-256-771-22	Sequence 22, Appl1
32	35	28.7	20	1	US-08-256-771-23	Sequence 22, Appl1
33	35	28.7	20	1	US-08-381-984-22	Sequence 22, Appl1
34	35	28.7	20	1	US-08-381-984-23	Sequence 23, Appl1
35	35	28.7	20	4	US-09-643-597-241	Sequence 241, App
36	35	28.7	25	1	US-07-755-161A-5	Sequence 5, Appl1
37	35	28.7	25	1	US-07-891-174-5	Sequence 5, Appl1
38	35	28.7	25	1	US-07-971-981-1	Sequence 8, Appl1
39	35	28.7	25	1	US-08-204-487-8	Sequence 8, Appl1
40	35	28.7	25	1	US-08-256-771-26	Sequence 26, Appl1
41	35	28.7	25	1	US-08-381-984-26	Sequence 8, Appl1
42	35	28.7	25	2	US-08-464-182A-8	Sequence 9, Appl1
43	35	28.7	25	2	US-08-464-182A-9	Sequence 9, Appl1
44	35	28.7	25	2	US-08-406-271-8	Sequence 9, Appl1
45	35	28.7	25	2	US-08-406-271-9	Sequence 9, Appl1

ALIGNMENTS

RESULT 1
US-08-946-914-8
; Sequence 8, Application US/08946914
; Patent No. 6027916
; GENERAL INFORMATION:
; APPLICANT: NI, Jien
; APPLICANT: Gentz, Reiner L.
; APPLICANT: Ruben, Steven M.
; TITLE OF INVENTION: Galectin 8, 9, 10 and 10SV
; NUMBER OF SEQUENCES: 60
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.
; STREET: 1100 New York Ave., Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3934
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/946, 914
; FILING DATE: Herewith
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/028, 093
; FILING DATE: 09-OCT-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Steffe, Eric K.
; REGISTRATION NUMBER: 36,688
; REFERENCE/DOCKET NUMBER: 1488.0560001/EKS/SGW
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-2600
; TELEFAX: 202-371-2540
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 200 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-946-914-8

Query Match 34.4%; Score 42; DB 3; Length 200;
Best Local Similarity 43.8%; Pred. No. 23;
Matches 7; Conservative 3; Mismatches 6; Indels 0; Gaps 0;
QY 6 NVLEKKMGAPITIND 21
|:::|||||

Db 79 NTLINERKGRREITVD 94

RESULT 2

US-09-656-450-8

Sequence 8, Application US/09656450

Patent No. 6468768

GENERAL INFORMATION:

APPLICANT: Gentz, Retner L.

APPLICANT: Ni, Jiam

APPLICANT: Ruben, Steven M.

TITLE OF INVENTION: Galectin 9 and 10SV Polynucleotides

FILE REFERENCE: 1488.0560003

CURRENT FILING DATE: 2000-09-06

PRIOR APPLICATION NUMBER: US 09/263,689

PRIOR FILING DATE: 1999-03-05

PRIOR APPLICATION NUMBER: US 08/946,914

PRIOR FILING DATE: 1997-10-09

PRIOR APPLICATION NUMBER: US 60/028,093

NUMBER OF SEQ ID NOS: 60

SOFTWARE: PatentIn version 3.0

SEQ ID NO 8

LENGTH: 200

TYPE: PRT

ORGANISM: Homo sapiens

US-09-656-450-8

Query Match 34.4%; Score 42; DB 4; Length 200;

Best Local Similarity 43.8%; Pred. No. 23;

Matches 7; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

Qy 6 NVLEKKWGAPTTND 21

Db 79 NTLINERKGRREITVD 94

RESULT 3

US-08-647-960-10

Sequence 10, Application US/08647960

Patent No. 5908761

GENERAL INFORMATION:

APPLICANT: Zick, Yehiel

TITLE OF INVENTION: GALECTIN-8 AND GALECTIN-8-LIKE PROTEINS

NUMBER OF SEQUENCES: 19

CORRESPONDENCE ADDRESS:

ADDRESSEE: BROWDY AND NEIMARK

STREET: 419 Seventh Street, N.W., Suite 300

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/647,960

FILING DATE: 30-MAY-1996

CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: IL 107880

FILING DATE: 05-DEC-1993

ATTORNEY/AGENT INFORMATION:

NAME: BROWDY, Roger L.

REGISTRATION NUMBER: 25,618

REFERENCE/DOCKET NUMBER: ZICK-1

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-628-5197

TELEFAX: 202-737-3527

INFORMATION FOR SEQ ID NO: 10:

SEQUENCE CHARACTERISTICS:

LENGTH: 184 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-08-647-960-10

Query Match 32.8%; Score 40; DB 2; Length 184;

Best Local Similarity 43.8%; Pred. No. 45;

Matches 7; Conservative 3; Mismatches 6; Indels 0; Gaps 0;

Qy 6 NVLEKKWGAPTTND 21

Db 78 NTLINERKGRREITVD 93

RESULT 4

US-08-598-873-15

Sequence 15, Application US/08598873

Patent No. 5928884

GENERAL INFORMATION:

APPLICANT: Croce, Carlo M.

APPLICANT: Huebner, Kay

TITLE OF INVENTION: PHIT PROTEINS AND NUCLEIC ACIDS AND

TITLE OF INVENTION: METHODS BASED THEREON

NUMBER OF SEQUENCES: 77

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pennie & Edmonds

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/598,873

FILING DATE: 09-FEB-1996

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Friebe, Thomas E.

REGISTRATION NUMBER: 29,258

REFERENCE/DOCKET NUMBER: 8666-004

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 790-9090

TELEFAX: (212) 869-9741/8864

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 35 amino acids

TYPE: amino acid

TOPOLOGY: unknown

MOLECULE TYPE: peptide

US-08-598-873-15

Query Match 31.1%; Score 38; DB 2; Length 35;

Best Local Similarity 53.3%; Pred. No. 13;

Matches 8; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

Qy 2 PKGRNVLEKKWGAP 16

Db 2 PKGRNVLEKKWGAP 16

RESULT 5

US-08-605-430-15

Sequence 15, Application US/08605430

Patent No. 6242212

GENERAL INFORMATION:

APPLICANT: Croce, Carlo M.
TITLE OF INVENTION: PHIT PROTEINS AND NUCLEIC ACIDS AND
METHODS BASED THEREON
NUMBER OF SEQUENCES: 86
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/605,430
FILING DATE: 22-FEB-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Friebe, Thomas E.
REGISTRATION NUMBER: 29,258
REFERENCE/DOCKET NUMBER: 8666-005
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 35 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-605-430-15

Query Match 31.1%; Score 38; DB 4; Length 35;
Best Local Similarity 53.3%; Pred. No. 13;
Matches 8; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 2 PKGRNVLEKKMGAP 16
DB 2 PKGRKVLVFLGAP 16

RESULT 6
US-456-647B-31
Patent No. 581516
GENERAL INFORMATION:
APPLICANT: Lemke Ph.D. et al., Greg E.
TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES
NUMBER OF SEQUENCES: 54
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/456,647B
FILING DATE: 02-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/237,401
FILING DATE: 02-MAY-1994

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/884,486
FILING DATE: 15-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell Ph.D., John R.
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: 07251/007002
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 678-5070
TELEFAX: (619) 678-5099
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 68 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-456-647B-31

Query Match 30.3%; Score 37; DB 2; Length 68;
Best Local Similarity 40.0%; Pred. No. 43;
Matches 8; Conservative 2; Mismatches 10; Indels 0; Gaps 0;

QY 3 KGRNVLEKKMGAPITTDG 22
DB 36 KGGKGLPVWMAPESLKDG 55

RESULT 7
US-08-237-401A-31
Patent No. 5837448
GENERAL INFORMATION:
APPLICANT: Lemke Ph.D. et al., Greg E.
TITLE OF INVENTION: PROTEIN-TYROSINE KINASE GENES
NUMBER OF SEQUENCES: 54
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 4225 Executive Square, Suite 1400
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/237,401A
FILING DATE: 02-MAY-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/884,486
FILING DATE: 15-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: Halle Ph.D., Lisa A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 07251/007001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 678-5070
TELEFAX: (619) 678-5099
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 68 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-237-401A-31

Query Match 30.3%; Score 37; DB 2; Length 68;
Best Local Similarity 40.0%; Pred. No. 43;

Matches 8; Conservative 2; Mismatches 10; Indels 0; Gaps 0;

Qy 3 KGRNVLEKKWGAPTITNDG 22
Db 36 KGGKGLPVRWMAPESLDGG 55

RESULT 8

US-08-469-537A-47
Sequence 47, Application US/08469537A
Patent No. 5843749
GENERAL INFORMATION:
APPLICANT: Maisondier, et al.
TITLE OF INVENTION: EHK AND FOR TYROSINE
NUMBER OF SEQUENCES: 107
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Regeneron Pharmaceuticals, Inc.
STREET: 777 Old Saw Mill River Road
CITY: Tarrytown
STATE: NY
COUNTRY: U.S.A.
ZIP: 10591
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,537A
CLASSIFICATION: 435
FILING DATE: 06-JUN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/406,247
FILING DATE: 17-MAR-1995
APPLICATION NUMBER: USSN 08/144,992
FILING DATE: 28-OCT-1993
APPLICATION NUMBER: USSN 07/736,559
FILING DATE: 26-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Kempler, Ph.D., Gail M
REGISTRATION NUMBER: 32,143
REFERENCE/DOCKET NUMBER: REG 070C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 914-345-7400
TELEFAX: 914-345-7721
TELEX:
INFORMATION FOR SEQ ID NO: 47:
SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-469-537A-47

Query Match 30.3%; Score 37; DB 2; Length 77;
Best Local Similarity 40.0%; Pred. No. 50;
Matches 8; Conservative 2; Mismatches 10; Indels 0; Gaps 0;

Qy 3 KGRNVLEKKWGAPTITNDG 22
Db 38 KGGKGLPVRWMAPESLDGG 57

RESULT 9

US-08-858-207A-396
Sequence 396, Application US/08858207A
Patent No. 6348328
GENERAL INFORMATION:
APPLICANT: Black, Michael
APPLICANT: Hodgson, John
APPLICANT: Knowles, David

APPLICANT: Nicholas, Richard
APPLICANT: Stodola, Robert
TITLE OF INVENTION: No. 6348328e1 Compounds
NUMBER OF SEQUENCES: 552
CORRESPONDENCE ADDRESSES:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/858,207A
CLASSIFICATION: 435
FILING DATE: 09-MAY-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/017670
FILING DATE: 14-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Gimmil, Edward R
REGISTRATION NUMBER: 38,891
REFERENCE/DOCKET NUMBER: P50475
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-4478
TELEFAX: 610-270-5090
TELEX:

INFORMATION FOR SEQ ID NO: 396:
SEQUENCE CHARACTERISTICS:
LENGTH: 91 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6348328e
US-08-858-207A-396

Query Match 30.3%; Score 37; DB 4; Length 91;
Best Local Similarity 54.5%; Pred. No. 61;
Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 7 VLEKKWGAPT 17
Db 52 IVIOKKGAPR 62

RESULT 10
US-08-542-363-39
Sequence 39, Application US/08542363
Patent No. 5770421
GENERAL INFORMATION:
APPLICANT: Morris, Stephan W.

TITLE OF INVENTION: ALK Protein Tyrosine Kinase/Receptor and
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESSES:
ADDRESSEE: STERN, KESSLER, GOLDSTEIN & FOX P.L.L.C.
STREET: 1100 New York Avenue, N.W., Suite 600
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/542,363

US-09-100-089-39
FILING DATE: 12-OCT-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Fox, Samuel L.
REGISTRATION NUMBER: 30.353
REFERENCE/DOCKET NUMBER: 0656.0400001/SLE/GKT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 115 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-542-363-39

Query Match 30.3%; Score 37; DB 1; Length 115;
Best Local Similarity 40.0%; Pred. No. 81;
Matches 8; Conservative 2; Mismatches 10; Indels 0; Gaps 0;

QY 3 KGRNVLEKKWGAPITNDG 22
DB 25 KGGKGLPVRWMAPESLKDG 44

RESULT 11
US-09-100-089-39
Sequence 39, Application US/09100089
Patent No. 6174674
GENERAL INFORMATION:
APPLICANT: Morris, Stephan W.
TITLE OF INVENTION: ALK Protein Tyrosine Kinase/Receptor and
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
STREET: 1100 New York Avenue, N.W., Suite 600
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/100.089
FILING DATE: Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/160,861
FILING DATE: 03-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/542,363
FILING DATE: 12-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: Fox, Samuel L.
REGISTRATION NUMBER: 30.353
REFERENCE/DOCKET NUMBER: 0656.0400002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 115 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide

US-09-100-089-39
Query Match 30.3%; Score 37; DB 4; Length 115;
Best Local Similarity 40.0%; Pred. No. 81;
Matches 8; Conservative 2; Mismatches 10; Indels 0; Gaps 0;

QY 3 KGRNVLEKKWGAPITNDG 22
DB 25 KGGKGLPVRWMAPESLKDG 44

RESULT 12
US-09-670-827-39
Sequence 39, Application US/09670827
Patent No. 6451997
GENERAL INFORMATION:
APPLICANT: Morris, Stephan W.
TITLE OF INVENTION: ALK Protein Tyrosine Kinase/Receptor and
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.
STREET: 1100 New York Avenue, N.W., Suite 600
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/670,827
FILING DATE: 28-Sep-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/160,861
FILING DATE: 03-DEC-1993
APPLICATION NUMBER: US 08/542,363
FILING DATE: 12-OCT-1995
APPLICATION NUMBER: US 09/100,089
FILING DATE: 19-JUN-1998
ATTORNEY/AGENT INFORMATION:
NAME: Fox, Samuel L.
REGISTRATION NUMBER: 30.353
REFERENCE/DOCKET NUMBER: 0656.0400003
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 115 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 39:
US-09-670-827-39

Query Match 30.3%; Score 37; DB 4; Length 115;
Best Local Similarity 40.0%; Pred. No. 81;
Matches 8; Conservative 2; Mismatches 10; Indels 0; Gaps 0;

QY 3 KGRNVLEKKWGAPITNDG 22
DB 25 KGGKGLPVRWMAPESLKDG 44

RESULT 13
US-08-469-537A-86
Sequence 86, Application US/08469537A

Patent No. 5843749
GENERAL INFORMATION:
APPLICANT: Maisondieu, et al.
TITLE OF INVENTION: EHK AND FOR TYROSINE
NUMBER OF INVENTION: KINASES
NUMBER OF SEQUENCES: 107
CORRESPONDENCE ADDRESS:
ADDRESSEE: Regeneron Pharmaceuticals, Inc.
STREET: 777 Old Saw Mill River Road
CITY: Tarrytown
STATE: NY
COUNTRY: U.S.A.
ZIP: 10591
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,537A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: USSN 08/406,247
FILING DATE: 17-MAR-1995
APPLICATION NUMBER: USSN 08/144,992
FILING DATE: 28-OCT-1993
APPLICATION NUMBER: USSN 07/736,559
FILING DATE: 26-JUL-1991
ATTORNEY/AGENT INFORMATION:
NAME: Kempier, Ph.D., Gail M
REGISTRATION NUMBER: 32,143
REFERENCE/DOCKET NUMBER: REG 070C
TELECOMMUNICATION INFORMATION:
TELEPHONE: 914-345-7400
TELEFAX: 914-345-7721
TELEX:
INFORMATION FOR SEQ ID NO: 86:
SEQUENCE CHARACTERISTICS:
LENGTH: 172 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-469-537A-86

Query Match 30.3%; Score 37; DB 2; Length 172;
Best Local Similarity 40.0%; Pred. No. 1.3e+02;
Matches 8; Conservative 2; Mismatches 10; Indels 0; Gaps 0;

3 KGRNVLEKMGAPITNDG 22
Db 73 KGGKGLPVRWMAPESLKDG 92

RESULT 14
US-08-467-822-11
Sequence 11, Application US/08467822
Patent No. 5843460
GENERAL INFORMATION:
APPLICANT: Labigne, Agnes
APPLICANT: Sauerbaum, Sebastien
APPLICANT: Ferrero, Richard L.
APPLICANT: Thiberge, Jean-Michel
TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS AGAINST
TITLE OF INVENTION: HELICOBACTER INFECTION, POLYPEPTIDES FOR USE IN THE
TITLE OF INVENTION: COMPOSITIONS, AND NUCLEIC ACID SEQUENCES ENCODING SAID
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
ADDRESS: Dunner
STREET: 1300 I Street, N.W.

CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,822
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/447,177
FILING DATE: 19-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/432,697
FILING DATE: 02-MAY-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 03495.0137-02000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 408-4000
TELEFAX: (202) 408-4400
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-467-822-11

Query Match 29.5%; Score 36; DB 2; Length 8;
Best Local Similarity 85.7%; Pred. No. 1.9e+05;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

1 GPKGRNV 7
Db 2 GPKGRNV 8

RESULT 15
US-08-432-697-11
Sequence 11, Application US/08432697
Patent No. 6248330
GENERAL INFORMATION:
APPLICANT: Labigne, Agnes
APPLICANT: Sauerbaum, Sebastien
APPLICANT: Ferrero, Richard L.
APPLICANT: Thiberge, Jean-Michel
TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS AGAINST
TITLE OF INVENTION: HELICOBACTER INFECTION, POLYPEPTIDES FOR USE IN THE
TITLE OF INVENTION: COMPOSITIONS, AND NUCLEIC ACID SEQUENCES ENCODING SAID
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
ADDRESS: Dunner
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/432,697
;; FILING DATE: 02-MAY-1995
;; CLASSIFICATION: 424
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Meyers, Kenneth J.
;; REGISTRATION NUMBER: 25,146
;; REFERENCE/DOCKET NUMBER: 03495.0137-00000
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (202) 408-4000
;; TELEFAX: (202) 408-4400
;; INFORMATION FOR SEQ ID NO: 11:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 8 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
US-08-432-697-11

;; Query Match 29.5%; Score 36; DB 4; Length 8;
;; Best Local Similarity 85.7%; Pred. No. 1.9e+05;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GPKGRNV 7
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Db 2 GPKGRNV 8

Search completed: July 12, 2003, 09:29:27
Job time : 14.037 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 12, 2003, 09:23:53 ; Search time 21 Seconds
(without alignments)
121.964 Million cell updates/sec

Title: US-09-847-637B-1
Perfect score: 122
Sequence: 1 GPKGRNVLEKKMGAPITINDG 22

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Gapop 10.0 , Gapext 0.5

Searched: 445758 seqs, 116419773 residues
1 number of hits satisfying chosen parameters: 95603

Minimum DB seq length: 0
Maximum DB seq length: 22

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:
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2: /cgn2_6/ptodata/1/pubpaa/PC7_NEW_PUB pep:.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB pep:.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB pep:.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	90	73.8	16	10	US-09-847-637B-2 Sequence 2, App1
3	87	71.3	16	10	US-09-847-637B-3 Sequence 3, App1
4	59	48.4	20	10	US-09-847-637B-4 Sequence 4, App1
5	36	28.5	20	10	US-09-864-761-44019 Sequence 44019, A
6	35	28.7	20	10	US-09-735-705-241 Sequence 241, App
7	35	28.7	20	10	US-09-850-716A-241 Sequence 241, App
8	35	28.7	20	10	US-09-997-778-241 Sequence 241, App
9	34	27.9	14	9	US-10-106-804B-10 Sequence 10, App1
10	34	27.9	14	10	US-09-848-664-3 Sequence 3, App1
11	34	27.9	17	9	US-09-769-145-54 Sequence 54, App1
12	34	27.9	17	9	US-09-778-026-14 Sequence 14, App1
13	34	27.9	17	9	US-10-006-869-50 Sequence 50, App1
14	34	27.9	17	9	US-10-193-653-68 Sequence 68, App1
15	34	27.9	22	9	US-10-106-804B-20 Sequence 20, App1
16	32	26.2	12	9	US-09-896-896A-64 Sequence 64, App1
17	32	26.2	12	10	US-09-753-126-100 Sequence 100, App
18	32	26.2	15	10	US-09-976-674-61 Sequence 61, App1
19	32	26.2	20	10	US-09-841-132-228 Sequence 228, App

20	32	26.2	20	10	US-09-841-132-229 Sequence 229, App
21	31.5	25.8	16	10	US-09-995-587A-33 Sequence 33, App1
22	31.5	25.8	16	10	US-09-995-587A-34 Sequence 34, App1
23	31.5	25.8	16	10	US-09-995-587A-35 Sequence 35, App1
24	31.5	25.8	16	10	US-09-995-587A-36 Sequence 36, App1
25	31.5	25.8	17	9	US-10-128-449A-16 Sequence 16, App1
26	31	25.4	13	9	US-09-852-455-68 Sequence 68, App1
27	31	25.4	15	9	US-10-121-746-70 Sequence 70, App1
28	31	25.4	18	9	US-09-828-000-6 Sequence 6, App1
29	31	25.4	19	9	US-09-764-872-322 Sequence 322, App
30	30	24.6	14	9	US-09-805-301-80 Sequence 80, App1
31	30	24.6	19	10	US-09-864-761-41313 Sequence 41313, A
32	30	24.6	20	10	US-09-735-705-232 Sequence 232, App
33	30	24.6	20	10	US-09-850-716A-232 Sequence 232, App
34	30	24.6	20	10	US-09-897-778-232 Sequence 232, App
35	30	24.6	21	9	US-09-805-301-81 Sequence 81, App1
36	30	24.6	21	9	US-10-084-813-287 Sequence 287, App
37	30	24.6	22	9	US-10-106-698-8035 Sequence 8035, App
38	29.5	24.2	16	9	US-10-125-567A-1359 Sequence 1359, App
39	29.5	24.2	18	9	US-10-196-174-32 Sequence 32, App
40	29	23.8	21	9	US-10-084-813-286 Sequence 286, App
41	28.5	23.4	10	9	US-09-572-404B-1036 Sequence 1036, App
42	28	23.0	12	9	US-10-185-050-184 Sequence 184, App
43	28	23.0	13	9	US-10-145-415-65 Sequence 65, App1
44	28	23.0	13	9	US-10-057-789-227 Sequence 227, App
45	28	23.0	13	9	US-10-212-628-227 Sequence 227, App

ALIGNMENTS

RESULT 1
US-09-847-637B-1
Sequence 1, Application US/09847637B
Patent No. US20020150586A1
GENERAL INFORMATION:
APPLICANT: Napatek, Yaakov
APPLICANT: Ulimansky, Rina
TITLE OF INVENTION: Kashi, Yechazkel
TITLE OF INVENTION: NOVEL AMINO ACID SEQUENCES, ANTIBODIES DIRECTED AGAINST SUCH SEQUENCES AND THE DIFFERENT USES THEREOF
FILE REFERENCE: 13125-002001
CURRENT APPLICATION NUMBER: US/09/847,637B
CURRENT FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: PCT/IL99/00595
PRIOR FILING DATE: 1999-11-04
PRIOR APPLICATION NUMBER: 60/107,213
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1
LENGTH: 22
TYPE: PRT
ORGANISM: Mycobacterium tuberculosis
US-09-847-637B-1

Query Match 100.0%; Score 122; DB 10; Length 22;
Best Local Similarity 100.0%; Pred. No. 3.4e-12;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GPKGRNVLEKKMGAPITINDG 22
DB 1 GPKGRNVLEKKMGAPITINDG 22

RESULT 2
US-09-847-637B-2
Sequence 2, Application US/09847637B
Patent No. US20020150586A1
GENERAL INFORMATION:
APPLICANT: Napatek, Yaakov
APPLICANT: Ulimansky, Rina

```

; APPLICANT: Kaishi, Yechezkel
; TITLE OF INVENTION: NOVEL AMINO ACID SEQUENCES, DNA ENCODING
; TITLE OF INVENTION: THE AMINO ACID SEQUENCES, ANTIBODIES DIRECTED AGAINST SUCH
; FILE REFERENCE: 13125-002001
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: PCT/IL99/00595
; PRIOR FILING DATE: 1999-11-04
; PRIOR APPLICATION NUMBER: 60/107,213
; PRIOR FILING DATE: 1998-11-05
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 2
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-09-847-637B-2

Query Match
Best Local Similarity 73.8%; Score 90; DB 10; Length 16;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GPKGRNVLEKKWGAP 16
DB 1 GPKGRNVLEKKWGAP 16

RESULT 3
US-09-847-637B-3
; Sequence 3, Application US/09847637B
; Patent No. US20020150586A1
; GENERAL INFORMATION:
; APPLICANT: Naparstek, Yaakov
; APPLICANT: Ulmansky, Rina
; TITLE OF INVENTION: NOVEL AMINO ACID SEQUENCES, DNA ENCODING
; TITLE OF INVENTION: THE AMINO ACID SEQUENCES, ANTIBODIES DIRECTED AGAINST SUCH
; FILE REFERENCE: 13125-002001
; CURRENT APPLICATION NUMBER: US/09/847,637B
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: PCT/IL99/00595
; PRIOR FILING DATE: 1999-11-04
; PRIOR APPLICATION NUMBER: 60/107,213
; PRIOR FILING DATE: 1998-11-05
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 3
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-09-847-637B-3

Query Match
Best Local Similarity 71.3%; Score 87; DB 10; Length 16;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 VVLEKKWGAPTTNDG 22
DB 1 VVLEKKWGAPTTNDG 16

RESULT 4
US-09-847-637B-4
; Sequence 4, Application US/09847637B
; Patent No. US20020150586A1
; GENERAL INFORMATION:
; APPLICANT: Naparstek, Yaakov
; APPLICANT: Ulmansky, Rina
; APPLICANT: Kaishi, Yechezkel
; TITLE OF INVENTION: NOVEL AMINO ACID SEQUENCES, DNA ENCODING
; TITLE OF INVENTION: THE AMINO ACID SEQUENCES, ANTIBODIES DIRECTED AGAINST SUCH
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; TITLE OF INVENTION: SEQUENCES AND THE DIFFERENT USES THEREOF
; FILE REFERENCE: 13125-002001
; CURRENT APPLICATION NUMBER: US/09/847,637B
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: PCT/IL99/00595
; PRIOR FILING DATE: 1999-11-04
; PRIOR APPLICATION NUMBER: 60/107,213
; PRIOR FILING DATE: 1998-11-05
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO: 4
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-847-637B-4

Query Match
Best Local Similarity 48.4%; Score 59; DB 10; Length 20;
Matches 8; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

QY 7 VVLEKKWGAPTTNDG 22
DB 2 VVLEKKWGAPTTNDG 17

RESULT 5
US-09-864-761-44019
; Sequence 44019, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263,6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
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; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 44019
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC005342.1
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 0.68
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 0.83
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.9
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.83
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 0.89
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 0.99
US-09-864-761-44019
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Query Match 29.5%; Score 36; DB 10; Length 20;
Best Local Similarity 50.0%; Pred. No. 57;
Matches 6; Conservative 1; Mismatches 5; Indels 0; Gaps 0;
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```
Qy 5 RNVLLEKKMGAP 16
Db 9 RNLAWEIAMGCP 20
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RESULT 6

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US-09-735-705-241
; Sequence 241, Application US/09735705
; Patent No. US20020052329A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tonglong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaityanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skelky, Yaser A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C14
; CURRENT APPLICATION NUMBER: US/09/735,705
; CURRENT FILING DATE: 2000-12-12
; NUMBER OF SEQ ID NOS: 419
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 241
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-735-705-241
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Query Match 28.7%; Score 35; DB 10; Length 20;
Best Local Similarity 38.5%; Pred. No. 82;
Matches 5; Conservative 4; Mismatches 4; Indels 0; Gaps 0;
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Qy 10 EKKMGAPTTNDG 22
Db 1 ERKMGFSRVSSGC 13
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RESULT 7

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US-09-850-716A-241
; Sequence 241, Application US/09850716A
; Patent No. US20020115139A1
; GENERAL INFORMATION:
; APPLICANT: Kalos, Michael D.
; APPLICANT: McNeill, Patricia D.
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; APPLICANT: Retter, Marc W.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C15
; CURRENT APPLICATION NUMBER: US/09/850,716A
; CURRENT FILING DATE: 2001-05-07
; NUMBER OF SEQ ID NOS: 440
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 241
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-850-716A-241
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Query Match 28.7%; Score 35; DB 10; Length 20;
Best Local Similarity 38.5%; Pred. No. 82;
Matches 5; Conservative 4; Mismatches 4; Indels 0; Gaps 0;
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Qy 10 EKKMGAPTTNDG 22
Db 1 ERKMGFSRVSSGC 13
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RESULT 8

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US-09-897-778-241
; Sequence 241, Application US/09897778
; Patent No. US20020147143A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Tonglong
; APPLICANT: Marnerakis, Margarita
; APPLICANT: Fanger, Gary R.
; APPLICANT: Vedvick, Thomas S.
; APPLICANT: Carter, Darrick
; APPLICANT: Matanabe, Yoshihiro
; APPLICANT: Henderson, Robert A.
; APPLICANT: Peckham, David W.
; APPLICANT: Fanger, Neil
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C16
; CURRENT APPLICATION NUMBER: US/09/897,778
; CURRENT FILING DATE: 2001-06-28
; NUMBER OF SEQ ID NOS: 467
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 241
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-897-778-241
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Query Match 28.7%; Score 35; DB 10; Length 20;
Best Local Similarity 38.5%; Pred. No. 82;
Matches 5; Conservative 4; Mismatches 4; Indels 0; Gaps 0;
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```
Qy 10 EKKMGAPTTNDG 22
Db 1 ERKMGFSRVSSGC 13
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RESULT 9

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US-10-106-804B-10
; Sequence 10, Application US/10106804B
; Publication No. US20030119166A1
; GENERAL INFORMATION:
; APPLICANT: Hubbell, Jeffrey A.
; APPLICANT: Schenae, Jason C.
; APPLICANT: Sakiyama-Elbert, Shelly E.
; TITLE OF INVENTION: Enzyme-Mediated Modification of Fibrin For Tissue Engineering:
; TITLE OF INVENTION: Formulations with peptides
; FILE REFERENCE: ETH 106 CON
; CURRENT APPLICATION NUMBER: US/10/106,804B
; CURRENT FILING DATE: 2003-03-04
; NUMBER OF SEQ ID NOS: 20
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; SOFTWARE: Patentin version 3.1
; SEQ ID NO 10
; LENGTH: 14
; TYPE: PRT
; ORGANISM: artificial sequence
; FEATURE:
; OTHER INFORMATION: heparin binding sequence
US-10-106-804B-10

Query Match      27.9%; Score 34; DB 9; Length 14;
Best Local Similarity 66.7%; Pred. No. 78;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Cy 3 KGRNVLEK 11
|||:|:|:|
Db 3 KGRDVIILKK 11

RESULT 10
US-09-848-664-3
; Sequence 3, Application US/09848664
; Patent No. US20020146414A1
; GENERAL INFORMATION:
; APPLICANT: Sakiyama-Elbert, Shelly E.
; TITLE OF INVENTION: Controlled Release of No. US20020146414A1-Heparin Binding Growth
; FILE REFERENCE: ETH 108
; CURRENT APPLICATION NUMBER: US/09/848,664
; PRIOR FILING DATE: 2001-05-03
; PRIOR APPLICATION NUMBER: 09/298,084
; NUMBER OF SEQ ID NOS: 31
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 3
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-848-664-3

Query Match      27.9%; Score 34; DB 10; Length 14;
Best Local Similarity 66.7%; Pred. No. 78;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Cy 3 KGRNVLEK 11
|||:|:|:|
Db 3 KGRDVIILKK 11

RESULT 11
US-09-769-145-54
; Sequence 54, Application US/09769145
; Patent No. US20020168761A1
; GENERAL INFORMATION:
; APPLICANT: Gour, Barbara J.
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Ali, Ammar
; APPLICANT: Ni, Feng
; APPLICANT: Chen, Zhigang
; APPLICANT: Michaud, Stephanie
; APPLICANT: Wang, Shaocheng
; APPLICANT: Hu, Zengjian
; TITLE OF INVENTION: PEPTIDOMETRIC MODULATORS OF CELL ADHESION
; FILE REFERENCE: 100086.413C1
; CURRENT APPLICATION NUMBER: US/09/769,145
; PRIOR FILING DATE: 2001-01-24
; PRIOR APPLICATION NUMBER: US 09/491,078
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 54
; LENGTH: 17
; TYPE: PRT
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; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: N-CAM heparin
; OTHER INFORMATION: sulfate binding site
US-09-769-145-54

Query Match      27.9%; Score 34; DB 9; Length 17;
Best Local Similarity 66.7%; Pred. No. 97;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Cy 3 KGRNVLEK 11
|||:|:|:|
Db 5 KGRDVIILKK 13

RESULT 12
US-09-778-026-14
; Sequence 14, Application US/09778026
; Publication No. US20030013655A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gour, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR REGULATING
; CELL ADHESION
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/778,026
; FILING DATE: 05-Feb-2001
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Makl, David J.
; REGISTRATION NUMBER: 32,391
; REFERENCE//DOCKET NUMBER: 100086.402
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 amino acids
; TYPE: amino acid
; STRANDEDNESS: <Unknown>
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
US-09-778-026-14

Query Match      27.9%; Score 34; DB 9; Length 17;
Best Local Similarity 66.7%; Pred. No. 97;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Cy 3 KGRNVLEK 11
|||:|:|:|
Db 5 KGRDVIILKK 13

RESULT 13
US-10-006-869-50
; Sequence 50, Application US/10006869
; Publication No. US20030082166A1
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Symonds, James Matthew
```

```
APPLICANT: Gour, Barbara J.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NONCLASSICAL
FILE OF INVENTION: CADHERIN-MEDIATED FUNCTIONS
FILE REFERENCE: 100086.407C7
CURRENT APPLICATION NUMBER: US/10/006,869
NUMBER OF SEQ ID NOS: 4052
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 50
LENGTH: 17
TYPE: PRT
ORGANISM: Unknown
FEATURE:
OTHER INFORMATION: Description of Unknown Organism: N-CAM Heparin
OTHER INFORMATION: Sulfate-Binding Site
US-10-006-869-50
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```
Query Match 27.9%; Score 34; DB 9; Length 17;
Best Local Similarity 66.7%; Pred. No. 97;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
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```
QY 3 KGRNVLEK 11
Db 5 KGRDVILKK 13
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RESULT 14
US-10-193-653-68
Sequence 68, Application US/10193653
Publication No. US20030109454A1
GENERAL INFORMATION:
APPLICANT: Doherty, Patrick
APPLICANT: Blaschuk, Orest W.
APPLICANT: Gour, Barbara J.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING ADHESION MOLECULE
FILE OF INVENTION: FUNCTION
FILE REFERENCE: 100086.403C2
CURRENT APPLICATION NUMBER: US/10/193,653
CURRENT FILING DATE: 2002-07-10
NUMBER OF SEQ ID NOS: 95
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 68
LENGTH: 17
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Solid Phase
OTHER INFORMATION: Synthesis
US-10-193-653-68
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Query Match 27.9%; Score 34; DB 9; Length 17;
Best Local Similarity 66.7%; Pred. No. 97;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
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QY 3 KGRNVLEK 11
Db 5 KGRDVILKK 13
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RESULT 15
US-10-106-804B-20
Sequence 20, Application US/10106804B
Publication No. US20030119186A1
GENERAL INFORMATION:
APPLICANT: Hubbell, Jeffrey A.
APPLICANT: Schenke, Jason C.
APPLICANT: Sakiyama-Elbert, Shelly E.
TITLE OF INVENTION: Enzyme-Mediated Modification of Fibrin For Tissue Engineering: F
FILE REFERENCE: ETH 106 CON
CURRENT APPLICATION NUMBER: US/10/106,804B
CURRENT FILING DATE: 2003-03-04
NUMBER OF SEQ ID NOS: 20
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SOFTWARE: PatentIn version 3.1
SEQ ID NO 20
LENGTH: 22
TYPE: PRT
ORGANISM: artificial sequence
FEATURE:
OTHER INFORMATION: heparin binding sequence
FEATURE:
NAME/KEY: MOD RES
LOCATION: (1)-(1)
OTHER INFORMATION: dansyl leucine
US-10-106-804B-20
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Query Match 27.9%; Score 34; DB 9; Length 22;
Best Local Similarity 66.7%; Pred. No. 1,3e+02;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;
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QY 3 KGRNVLEK 11
Db 11 KGRDVILKK 19
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Search completed: July 12, 2003, 09:28:49
Job time : 23 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: July 12, 2003, 09:21:58 ; Search time 14 Seconds
(without alignments)
46.236 Million cell updates/sec

Title: US-09-847-637B-1

Perfect score: 122

Sequence: 1 GPKGRNVLEKKWGAPITNDG 22

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 29422922 residues 140335

Minimum DB seq length: 0

Maximum DB seq length: 22

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep.*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep.*
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4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep.*
5: /cgn2_6/ptodata/1/1aa/PTUS.COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	36	29.5	8 2 US-08-467-822-11	Sequence 11, Appl
2	36	29.5	8 4 US-08-432-637-11	Sequence 11, Appl
3	36	29.5	8 4 US-08-466-248-11	Sequence 11, Appl
4	35	28.7	18 1 US-08-204-487-4	Sequence 4, Appl
5	35	28.7	20 1 US-07-755-161A-1	Sequence 2, Appl
6	35	28.7	20 1 US-07-755-161A-2	Sequence 2, Appl
7	35	28.7	20 1 US-07-891-174-1	Sequence 1, Appl
8	35	28.7	20 1 US-07-891-174-2	Sequence 2, Appl
9	35	28.7	20 1 US-08-204-487-2	Sequence 2, Appl
10	35	28.7	20 1 US-08-256-771-22	Sequence 22, Appl
11	35	28.7	20 1 US-08-256-771-23	Sequence 22, Appl
12	35	28.7	20 1 US-08-381-984-22	Sequence 22, Appl
13	35	28.7	20 1 US-08-381-984-23	Sequence 22, Appl
14	35	28.7	20 1 US-08-381-984-24	Sequence 22, Appl
15	35	28.7	20 1 US-08-381-984-25	Sequence 22, Appl
16	35	28.7	20 1 US-08-381-984-26	Sequence 22, Appl
17	35	28.7	20 1 US-08-381-984-27	Sequence 22, Appl
18	35	28.7	20 1 US-08-381-984-28	Sequence 22, Appl
19	35	28.7	20 1 US-08-381-984-29	Sequence 22, Appl
20	35	28.7	20 1 US-08-381-984-30	Sequence 22, Appl
21	35	28.7	20 1 US-08-381-984-31	Sequence 22, Appl
22	35	28.7	20 1 US-08-381-984-32	Sequence 22, Appl
23	35	28.7	20 1 US-08-381-984-33	Sequence 22, Appl
24	35	28.7	20 1 US-08-381-984-34	Sequence 22, Appl
25	35	28.7	20 1 US-08-381-984-35	Sequence 22, Appl
26	35	28.7	20 1 US-08-381-984-36	Sequence 22, Appl
27	35	28.7	20 1 US-08-381-984-37	Sequence 22, Appl

28	32	26.2	20 4 US-09-556-877-229	Sequence 229, App
29	32	26.2	20 4 US-09-620-412C-228	Sequence 228, App
30	32	26.2	20 4 US-09-620-412C-229	Sequence 229, App
31	31.5	25.8	17 4 US-08-985-492-16	Sequence 16, Appl
32	31	25.4	15 4 US-09-336-643A-70	Sequence 70, Appl
33	31	25.4	20 1 US-08-440-861-50	Sequence 50, Appl
34	30	24.6	14 4 US-08-584-043A-80	Sequence 80, Appl
35	30	24.6	16 4 US-08-602-999A-228	Sequence 228, App
36	30	24.6	16 4 US-08-030-410-1	Sequence 1, Appl
37	30	24.6	16 4 US-09-500-124-228	Sequence 228, App
38	30	24.6	17 1 US-07-838-410-4	Sequence 4, Appl
39	30	24.6	20 1 US-08-483-115-2	Sequence 2, Appl
40	30	24.6	20 4 US-09-643-597-232	Sequence 232, App
41	30	24.6	21 4 US-08-584-043A-81	Sequence 81, Appl
42	29.5	24.2	15 4 US-09-020-846-38	Sequence 38, Appl
43	29.5	24.2	18 2 US-08-845-926-32	Sequence 32, Appl
44	29.5	24.2	18 4 US-09-351-296-32	Sequence 32, Appl
45	29.5	24.2	20 2 US-08-617-929-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1
US-08-467-822-11
Sequence 11, Application US/08467822
Patent No. 5843460
GENERAL INFORMATION:
APPLICANT: Labigne, Agnes
APPLICANT: Sauterbaum, Sebastien
APPLICANT: Ferrero, Richard L.
TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS AGAINST
TITLE OF INVENTION: HELICOBACTER INFECTION, POLYPEPTIDES FOR USE IN THE
TITLE OF INVENTION: POLYPEPTIDES
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
ADDRESS: Dunner
CITY: Washington
STREET: 1300 I Street, N.W.
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,822
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/447,177
FILING DATE: 19-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/432,697
FILING DATE: 02-MAY-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 03495.0137-02000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 408-4400
TELEFAX: (202) 408-4400
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acid

STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-467-822-11

Query Match 29.5%; Score 36; DB 2; Length 8;
Best Local Similarity 85.7%; Pred. No. 1.9e+05;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GPKGRNV 7
||:||||
DB 2 GPKGRNV 8

RESULT 2
US-08-432-697-11
Sequence 11, Application US/08432697

GENERAL INFORMATION:
APPLICANT: Labigne, Agnes
APPLICANT: Sauerbaum, Sebastien
APPLICANT: Ferrero, Richard L.
APPLICANT: Thiberge, Jean-Michel
TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS AGAINST
TITLE OF INVENTION: HELICOBACTER INFECTION, POLYPEPTIDES FOR USE IN THE
TITLE OF INVENTION: COMPOSITIONS, AND NUCLEIC ACID SEQUENCES ENCODING SAID
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/432.697
FILING DATE: 02-MAY-1995
CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 03495.0137-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 408-4000
TELEFAX: (202) 408-4400
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-432-697-11

Query Match 29.5%; Score 36; DB 4; Length 8;
Best Local Similarity 85.7%; Pred. No. 1.9e+05;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GPKGRNV 7
||:||||
DB 2 GPKGRNV 8

RESULT 3
US-08-466-248-11
Sequence 11, Application US/08466248

Patent No. 6258359
GENERAL INFORMATION:
APPLICANT: Labigne, Agnes
APPLICANT: Sauerbaum, Sebastien
APPLICANT: Ferrero, Richard L.
APPLICANT: Thiberge, Jean-Michel
TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS AGAINST
TITLE OF INVENTION: HELICOBACTER INFECTION, POLYPEPTIDES FOR USE IN THE
TITLE OF INVENTION: COMPOSITIONS, AND NUCLEIC ACID SEQUENCES ENCODING SAID
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466.248
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/447.177
FILING DATE: 19-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/432.697
FILING DATE: 02-MAY-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 03495.0137-02000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 408-4000
TELEFAX: (202) 408-4400
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-466-248-11

Query Match 29.5%; Score 36; DB 4; Length 8;
Best Local Similarity 85.7%; Pred. No. 1.9e+05;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GPKGRNV 7
||:||||
DB 2 GPKGRNV 8

RESULT 4
US-08-204-487-4
Sequence 4, Application US/08204487

GENERAL INFORMATION:
APPLICANT: YAMAMOTO, NAOKI
APPLICANT: NAKASHIMA, HIDEKI
APPLICANT: MOSUCHI, WATARU
APPLICANT: TANAKA, SHIGEKI
APPLICANT: DOSAKO, SHUN'ICHI
APPLICANT: KAWASAKI, YOSHIHIRO
APPLICANT: UCHIDA, TOSHIKI

;; TITLE OF INVENTION: VIRAL INFECTION AND PROLIFERATION
;; TITLE OF INVENTION: INHIBITORS
;; NUMBER OF SEQUENCES: 8
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: PATENT ADMINISTRATOR, TESTA, HURWITZ &
;; STREET: THREBULT
;; CITY: BOSTON
;; STATE: MA
;; COUNTRY: USA
;; ZIP: 02109
;; TELEFAX: 202-371-8856
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patentin Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/204,487
;; FILING DATE: 02-MAR-1994
;; CLASSIFICATION: 514
;; ATTORNEY/AGENT INFORMATION:
;; NAME: CAMPBELL, PAULA A.
;; REGISTRATION NUMBER: 32,503
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617) 248-7000
;; TELEFAX: (617) 248-7100
;; INFORMATION FOR SEQ ID NO: 4:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 18 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; FEATURE:
;; NAME/KEY: Peptide
;; LOCATION: 1..18
;; OTHER INFORMATION: /note= "BOVINE LACTOFERRIN PEPTIDE
;; OTHER INFORMATION: (19-36)"
US-08-204-487-4
Query Match 28.7%; Score 35; DB 1; Length 18;
Best Local Similarity 77.8%; Pred. No. 19;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Cy 11 KKWGAPTT 19
D 9 KKLAPST 17
RESULT 5
US-07-755-161A-1
Sequence 1, Application US/07755161A
Patent No. 5304633
GENERAL INFORMATION:
APPLICANT: Mamoru TOMITA et al.
TITLE OF INVENTION: Antimicrobial Peptides and an
TITLE OF INVENTION: Antimicrobial Agent
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 500KB
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Displaywrite
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/755,161A

;; FILING DATE: 19910905
;; CLASSIFICATION: 530
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER:
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Warren M. Cheek Jr.
;; REGISTRATION NUMBER: 33,367
;; REFERENCE/DOCKET NUMBER:
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 202-371-8850
;; TELEFAX: 202-371-8856
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 1:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 20 amino acids
;; TYPE: AMINO ACID
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE:
;; HYPOTHETICAL:
;; ANTI-SENSE:
;; FRAGMENT TYPE:
;; ORIGINAL SOURCE:
;; ORGANISM:
;; STRAIN:
;; INDIVIDUAL ISOLATE:
;; DEVELOPMENTAL STAGE:
;; HAPLOTYPE:
;; TISSUE TYPE:
;; CELL LINE:
;; ORGANELLE:
;; IMMEDIATE SOURCE:
;; LIBRARY:
;; CLONE:
;; POSITION IN GENOME:
;; CHROMOSOME/SEGMENT:
;; MAP POSITION:
;; UNITS:
;; FEATURE:
;; NAME/KEY: modified site
;; LOCATION: 2
;; IDENTIFICATION METHOD:
;; OTHER INFORMATION: /note= "thiol group of
;; OTHER INFORMATION: Cys residue at location 2 connected by disulfide bond with
;; OTHER INFORMATION: thiol group of Cys residue at location 19"
;; OTHER INFORMATION: Cys residue at location 2 connected by disulfide bond with
;; OTHER INFORMATION: thiol group of Cys residue at location 19"
;; NAME/KEY: modified site
;; LOCATION: 19
;; IDENTIFICATION METHOD:
;; OTHER INFORMATION: /note= "thiol group of
;; OTHER INFORMATION: Cys residue at location 19 connected by disulfide bond with
;; OTHER INFORMATION: thiol group of Cys residue at location 2"
;; PUBLICATION INFORMATION:
;; AUTHORS:
;; TITLE:
;; JOURNAL:
;; VOLUME:
;; ISSUE:
;; PAGES:
;; DATE:
;; DOCUMENT NUMBER:
;; FILING DATE:
;; PUBLICATION DATE:
;; RELEVANT RESIDUES IN SEQ ID NO:
US-07-755-161A-1
Query Match 28.7%; Score 35; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 21;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Cy 11 KKWGAPTT 19

Db 10 KKGAPSPIT 18

RESULT 6
US-07-755-161A-2
Sequence 2, Application US/07755161A
Patent No. 5304633
GENERAL INFORMATION:
APPLICANT: Mamoru TOMITA et al.
TITLE OF INVENTION: Antimicrobial Peptides and an
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 500Kb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Displaywrite
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/755,161A
FILING DATE: 19910905
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
TELEFAX: 202-371-8856
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: AMINO ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE:
HYPOTHETICAL:
ANTI-SENSE:
FRAGMENT TYPE:
ORIGINAL SOURCE:
ORGANISM:
STRAIN:
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
CELL LINE:
ORGANELLE:
IMMEDIATE SOURCE:
LIBRARY:
CLONE:
POSITION IN GENOME:
CHROMOSOME/SEGMENT:
MAP POSITION:
UNITS:
FEATURE:
NAME/KEY: modified site
LOCATION: 2
IDENTIFICATION METHOD:
OTHER INFORMATION: /note= "Cys residue
OTHER INFORMATION: having thiol group chemically modified to prevent disulfide

OTHER INFORMATION: bond formation"
FEATURE:
NAME/KEY: modified site
LOCATION: 19
IDENTIFICATION METHOD:
OTHER INFORMATION: /note= "Cys residue
OTHER INFORMATION: having thiol group chemically modified to prevent disulfide
OTHER INFORMATION: bond formation"
AUTHORS:
TITLE:
JOURNAL:
VOLUME:
ISSUE:
PAGES:
DATE:
DOCUMENT NUMBER:
FILING DATE:
PUBLICATION DATE:
RELEVANT RESIDUES IN SEQ ID NO:
US-07-755-161A-2
Query Match 28.7%; Score 35; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 21;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Oy 11 KKGAPSPIT 19
Db 10 KKGAPSPIT 18
RESULT 7
US-07-891-174-1
Sequence 1, Application US/07891174
Patent No. 5317084
GENERAL INFORMATION:
APPLICANT: Mamoru TOMITA et al.
TITLE OF INVENTION: Antimicrobial Peptides and an
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 500Kb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Displaywrite
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/891,174
FILING DATE: 29-MAY-1992
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/755,161
FILING DATE: 05-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
TELEFAX: 202-371-8856
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE:
HYPOTHETICAL:
ANTI-SENSE:
FRAGMENT TYPE:
ORIGINAL SOURCE:
ORGANISM:
STRAIN:
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
ORGANELLE:
IMMEDIATE SOURCE:
LIBRARY:
CLONE:
POSITION IN GENOME:
CHROMOSOME/SEGMENT:
MAP POSITION:
UNITS:
FEATURE:
NAME/KEY: modified site
LOCATION: 2
IDENTIFICATION METHOD:
OTHER INFORMATION: /note= "thiol group of
OTHER INFORMATION: Cys residue at location 2 connected by disulfide bond with
OTHER INFORMATION: thiol group of Cys residue at location 19"
FEATURE:
NAME/KEY: modified site
LOCATION: 19
IDENTIFICATION METHOD:
OTHER INFORMATION: /note= "thiol group of
OTHER INFORMATION: Cys residue at location 19 connected by disulfide bond with
OTHER INFORMATION: thiol group of Cys residue at location 2"
PUBLICATION INFORMATION:
AUTHORS:
TITLE:
JOURNAL:
VOLUME:
ISSUE:
PAGES:
DATE:
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FILING DATE:
PUBLICATION DATE:
RELEVANT RESIDUES IN SEQ ID NO:
US-07-891-174-1
Query Match 28.7%; Score 35; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 21;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 11 KKGAPGTTT 19
DB 10 KKGAPGTTT 18

RESULT 8
US-07-891-174-2
Sequence 2, Application US/07891174
Patent No. 5317084
GENERAL INFORMATION:
APPLICANT: Mamoru TOMITA et al.
TITLE OF INVENTION: Antimicrobial Peptides and an
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.

ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 500KB
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: DisplayWrite
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/891,174
FILING DATE: 29-MAY-1992
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/755,161
FILING DATE: 05-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
TELEFAX: 202-371-8856
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE:
HYPOTHETICAL:
ANTI-SENSE:
FRAGMENT TYPE:
ORIGINAL SOURCE:
ORGANISM:
STRAIN:
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
ORGANELLE:
IMMEDIATE SOURCE:
LIBRARY:
CLONE:
POSITION IN GENOME:
CHROMOSOME/SEGMENT:
MAP POSITION:
UNITS:
FEATURE:
NAME/KEY: modified site
LOCATION: 2
IDENTIFICATION METHOD:
OTHER INFORMATION: /note= "Cys residue
OTHER INFORMATION: having thiol group chemically modified to prevent disulfide
OTHER INFORMATION: bond formation"
PUBLICATION INFORMATION:
AUTHORS:
TITLE:
JOURNAL:
VOLUME:
ISSUE:
PAGES:
DATE:
DOCUMENT NUMBER:
FILING DATE:
PUBLICATION DATE:

RELEVANT RESIDUES IN SEQ ID NO:
US-07-891-174-2

Query Match 28.7%; Score 35; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 21;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 11 KKGAPTT 19
DB 10 KKGAPST 18

RESULT 9

US-08-204-487-2
Sequence 2, Application US/08204487
Patent No. 5563425

GENERAL INFORMATION:
APPLICANT: YAMAMOTO, NAOKI
APPLICANT: NAKASHIMA, HIDEKI
APPLICANT: MOSUCHI, MATARU
APPLICANT: TANAKA, SHIGEKI
APPLICANT: DOSAKO, SHOUICHI
APPLICANT: KAMASAKI, YOSHIMIRO
APPLICANT: UCHIDA, TOSHIKI
TITLE OF INVENTION: VIRAL INFECTION AND PROLIFERATION
TITLE OF INVENTION: INHIBITORS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESS: PATENT ADMINISTRATOR, TESTA, HURWITZ &
ADDRESSEE: THIBEAULT
STREET: 53 STATE STREET
CITY: BOSTON
STATE: MA
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/204,487
FILING DATE: 02-MAR-1994
CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:
NAME: CAMPBELL, PAULA A.
REGISTRATION NUMBER: 32,503
REFERENCE/DOCKET NUMBER: FJN-019
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:

NAME/KEY: Peptide
LOCATION: 1..20
OTHER INFORMATION: /note= "ANTIBACTERIAL PEPTIDE
OTHER INFORMATION: DERIVED FROM BOVINE LACTOFERRIN"
US-08-204-487-2

Query Match 28.7%; Score 35; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 21;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 11 KKGAPTT 19
DB 10 KKGAPST 18

RESULT 10

US-08-256-771-22
Sequence 22, Application US/08256771
Patent No. 5656591

GENERAL INFORMATION:
APPLICANT: Mamoru TOMITA et al.
TITLE OF INVENTION: ANTIMICROBIAL AGENTS AND METHOD FOR TREATING
TITLE OF INVENTION: PRODUCTS THEREWITH
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESS: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,771
FILING DATE: July 22, 1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:

FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek, Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
TELEFAX:

TELEX:

INFORMATION FOR SEQ ID NO: 22:

SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:

NAME/KEY:
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: /note= "Cys residues are linked by
OTHER INFORMATION: disulfide bond"
US-08-256-771-22

Query Match 28.7%; Score 35; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 21;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 11 KKGAPTT 19
DB 10 KKGAPST 18

RESULT 11

US-08-256-771-23
Sequence 23, Application US/08256771
Patent No. 5656591

GENERAL INFORMATION:
APPLICANT: Mamoru TOMITA et al.
TITLE OF INVENTION: ANTIMICROBIAL AGENTS AND METHOD FOR TREATING
TITLE OF INVENTION: PRODUCTS THEREWITH
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESS: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700

CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,771
FILING DATE: July 22, 1994
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek, Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
TELEFAX:
TELEX:
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY:
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: /note= "Cys residues are protected to
prevent disulfide bond formation"
US-08-256-771-23
Query Match 28.7%; Score 35; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 21;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 11 KKWGAPIT 19
DB 10 KKLGAPSIT 18
RESULT 12
US-08-381-984-22
Sequence 22, Application US/08381984
Patent No. 5804555
GENERAL INFORMATION:
APPLICANT: Mamoru TOMITA et al.
TITLE OF INVENTION: ANTIOXIDANT
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/381,984
FILING DATE: April 11, 1995
CLASSIFICATION: 252
PRIOR APPLICATION DATA:

APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek, Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
TELEFAX:
TELEX:
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY:
LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: /note= "the specified peptide as well as
other information: peptides including the specified peptide as a fragment there
of"
US-08-381-984-22
Query Match 28.7%; Score 35; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 21;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 11 KKWGAPIT 19
DB 10 KKLGAPSIT 18
RESULT 13
US-08-381-984-23
Sequence 23, Application US/08381984
Patent No. 5804555
GENERAL INFORMATION:
APPLICANT: Mamoru TOMITA et al.
TITLE OF INVENTION: ANTIOXIDANT
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/381,984
FILING DATE: April 11, 1995
CLASSIFICATION: 252
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek, Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850

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TELEFAX:
TELEX:
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
  LENGTH: 20 amino acids
  TYPE: amino acid
  STRANDEDNESS: single
  TOPOLOGY: linear
  MOLECULE TYPE: peptide
  FEATURE:
  NAME/KEY:
  LOCATION:
  IDENTIFICATION METHOD:
  OTHER INFORMATION: /note= "the specified peptide as well as
  OTHER INFORMATION: peptides including the specified peptide as a fragment thereof
  FEATURE:
  NAME/KEY:
  LOCATION:
  IDENTIFICATION METHOD:
  OTHER INFORMATION: /note= "cysteine residues at positions 2
  OTHER INFORMATION: and 19 are chemically modified to prevent disulfide linkage"
  381-984-23

Query Match      28.7% Score 35; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 21;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 11 KKNQAPTT 19
DB 10 KKLQAPSIT 18

RESULT 14
US-09-643-597-241
; Sequence 241, Application US/09643597
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongrong
; APPLICANT: Pan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 241
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
; US-09-643-597-241

Query Match      28.7% Score 35; DB 4; Length 20;
Best Local Similarity 38.5%; Pred. No. 21;
Matches 5; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 10 EKKMGAPITNDG 22
DB 1 ERKMGFSRVSSG 13

RESULT 15
US-09-675-922-12
; Sequence 12, Application US/09675922
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; Patent No. 6468731
; GENERAL INFORMATION:
; APPLICANT: Hubbell A., Jeffrey
; APPLICANT: Schense C., Jason
; APPLICANT: Sakiyama E., Shelley
; TITLE OF INVENTION: Enzyme-Mediated Modification of Fibrin for Tissue
; FILE REFERENCE: ETH 107 DIV
; CURRENT APPLICATION NUMBER: US/09/675,922
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:
; OTHER INFORMATION: heparin-binding sequence
; US-09-675-922-12

Query Match      27.9% Score 34; DB 4; Length 14;
Best Local Similarity 66.7%; Pred. No. 20;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 3 KGRNVLEK 11
DB 3 KGRDVILKK 11

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Job time : 16 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 12, 2003, 09:28:29 ; Search time 13.9259 Seconds
(without alignments)
133.759 Million cell updates/sec

Title: US-09-847-637b-2

Perfect score: 90

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Gapop 10.0, Gapext 0.5

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Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	90	100.0	16	US-09-847-637b-2	Sequence 2, Appl1
2	90	100.0	22	US-09-847-637b-1	Sequence 1, Appl1
3	69	76.7	133	US-10-079-623-366	Sequence 366, App
4	69	76.7	135	US-09-925-301-1543	Sequence 1543, App
5	69	76.7	143	US-09-925-300-1768	Sequence 1768, App
6	69	76.7	145	US-09-925-301-1542	Sequence 1542, App
7	69	76.7	168	US-09-925-300-1769	Sequence 1769, App
8	62	68.9	48	US-10-269-557-18	Sequence 18, Appl1
9	55	61.1	16	US-09-847-637b-3	Sequence 3, Appl1
10	41	45.6	188	US-09-893-737-16	Sequence 16, Appl1
11	40	44.4	20	US-09-847-637b-4	Sequence 4, Appl1
12	40	44.4	119	US-10-101-464A-745	Sequence 745, App
13	39	43.3	117	US-10-156-761-7653	Sequence 7653, App
14	38.5	42.8	131	US-09-738-626-5916	Sequence 5916, App
15	38	42.2	132	US-10-156-761-12474	Sequence 12474, A
16	37.5	41.7	70	US-09-796-692-1819	Sequence 1819, App
17	37.5	41.7	70	US-09-796-692-2073	Sequence 2073, App
18	37.5	41.7	70	US-09-796-692-2313	Sequence 2313, App
19	37.5	41.7	70	US-10-040-862-1819	Sequence 1819, App

20	37.5	41.7	70	US-10-040-862-2073	Sequence 2073, App
21	37.5	41.7	70	US-10-040-862-2313	Sequence 2313, App
22	36	40.0	20	US-09-864-761-44019	Sequence 44019, A
23	36	40.0	48	US-09-864-761-47225	Sequence 47225, A
24	36	40.0	52	US-10-083-357-1078	Sequence 1078, App
25	36	40.0	56	US-09-814-122-42	Sequence 42, Appl1
26	36	40.0	171	US-10-101-464A-500	Sequence 500, App
27	36	40.0	196	US-09-815-242-13165	Sequence 13165, A
28	36	40.0	199	US-09-939-980-388	Sequence 388, App
29	35	38.9	69	US-10-156-761-8065	Sequence 8065, App
30	35	38.9	78	US-09-886-426-4	Sequence 4, Appl1
31	35	38.9	97	US-09-778-927A-45	Sequence 45, Appl1
32	35	38.9	110	US-09-578-274A-8	Sequence 8, Appl1
33	35	38.9	112	US-09-764-872-297	Sequence 297, App
34	35	38.9	123	US-09-778-927A-44	Sequence 44, Appl1
35	35	38.9	138	US-09-925-297-879	Sequence 879, App
36	35	38.9	140	US-10-012-542-241	Sequence 241, App
37	35	38.9	140	US-10-012-542-424	Sequence 424, App
38	35	38.9	141	US-09-778-927A-46	Sequence 46, Appl1
39	35	38.9	155	US-09-738-626-6102	Sequence 6102, App
40	35	38.9	177	US-09-893-737-174	Sequence 174, App
41	35	38.9	198	US-09-867-550-766	Sequence 766, App
42	34.5	38.3	85	US-09-864-761-42564	Sequence 42564, A
43	34.5	38.3	108	US-09-796-692-672	Sequence 672, App
44	34.5	38.3	108	US-09-796-692-759	Sequence 759, App
45	34.5	38.3	108	US-10-040-862-672	Sequence 672, App

ALIGNMENTS

```
RESULT 1
US-09-847-637b-2
: Sequence 2, Application US/09847637B
: Patent No. US20020150586A1
: GENERAL INFORMATION:
: APPLICANT: Naparstek, Yaakov
: APPLICANT: Ulimansky, Rina
: APPLICANT: Kashi, Yecheskel
: TITLE OF INVENTION: NOVEL AMINO ACID SEQUENCES, DNA ENCODING
: TITLE OF INVENTION: THE AMINO ACID SEQUENCES, ANTIBODIES DIRECTED AGAINST SUCH
: FILE REFERENCE: 13125-002001
: CURRENT APPLICATION NUMBER: US/09/847,637B
: CURRENT FILING DATE: 2001-05-02
: PRIOR APPLICATION NUMBER: PCT/IL99/00595
: PRIOR FILING DATE: 1999-11-04
: PRIOR APPLICATION NUMBER: 60/107,213
: PRIOR FILING DATE: 1998-11-05
: NUMBER OF SEQ ID NOS: 9
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 2
: LENGTH: 16
: TYPE: PRT
: ORGANISM: Mycobacterium tuberculosis
US-09-847-637b-2

Query Match      100.0%; Score 90; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 3.6e-08;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy      1 GPKGRNVLEKKWGAP 16
Db      1 GPKGRNVLEKKWGAP 16

RESULT 2
US-09-847-637b-1
: Sequence 1, Application US/09847637B
: Patent No. US20020150586A1
: GENERAL INFORMATION:
: APPLICANT: Naparstek, Yaakov
: APPLICANT: Ulimansky, Rina
```

```
APPLICANT: Kashi, Yechezkel
TITLE OF INVENTION: NOVEL AMINO ACID SEQUENCES, DNA ENCODING
TITLE OF INVENTION: THE AMINO ACID SEQUENCES, ANTIBODIES DIRECTED AGAINST SUCH
TITLE OF INVENTION: SEQUENCES AND THE DIFFERENT USES THEREOF
FILE REFERENCE: 13125-002001
CURRENT APPLICATION NUMBER: US/09/847,637B
PRIOR FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: PCT/IL99/00595
PRIOR FILING DATE: 1999-11-04
PRIOR APPLICATION NUMBER: 60/107,213
PRIOR FILING DATE: 1998-11-05
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO: 1
LENGTH: 22
TYPE: PRT
ORGANISM: Mycobacterium tuberculosis
US-09-847-637B-1
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Query Match 100.0%; Score 90; DB 10; Length 22;
Best Local Similarity 100.0%; Pred. No. 5.1e-08;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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OY 1 GPKGRNVLEKKWGAP 16
Db 1 GPKGRNVLEKKWGAP 16
```

```
RESULT 3
US-10-079-623-366
Sequence 366, Application US/10079623
```

```
Patent No. US20020169302A1
GENERAL INFORMATION:
APPLICANT: Havukkala, Ilkka J.
APPLICANT: Glenn, Matthew
APPLICANT: Grigor, Murray R.
APPLICANT: Molenaar, Adrian J.
TITLE OF INVENTION: Compositions isolated from bovine
TITLE OF INVENTION: mammary gland and methods for their use.
FILE REFERENCE: 11000.10443
CURRENT APPLICATION NUMBER: US/10/079,623
CURRENT FILING DATE: 2002-02-19
NUMBER OF SEQ ID NOS: 370
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 366
LENGTH: 133
TYPE: PRT
ORGANISM: Bovine
US-10-079-623-366
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Query Match 76.7%; Score 69; DB 9; Length 133;
Best Local Similarity 62.5%; Pred. No. 0.00095;
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
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```
OY 1 GPKGRNVLEKKWGAP 16
Db 56 GPKGRVILIQSWGSP 71
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```
RESULT 4
US-09-925-301-1543
Sequence 1543, Application US/09925301
Patent No. US20020052308A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA106
CURRENT APPLICATION NUMBER: US/09/925,301
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05882
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
```

```
NUMBER OF SEQ ID NOS: 1694
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1543
LENGTH: 135
TYPE: PRT
ORGANISM: Homo sapiens
US-09-925-301-1543
```

```
Query Match 76.7%; Score 69; DB 10; Length 135;
Best Local Similarity 62.5%; Pred. No. 0.00097;
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
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```
OY 1 GPKGRNVLEKKWGAP 16
Db 26 GPKGRVILIQSWGSP 41
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```
RESULT 5
US-09-925-300-1768
```

```
Sequence 1768, Application US/09925300
Patent No. US20020151681A1
GENERAL INFORMATION:
APPLICANT: Craig Rosen,
APPLICANT: Steve Ruben,
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA101
CURRENT APPLICATION NUMBER: US/09/925,300
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05988
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
NUMBER OF SEQ ID NOS: 1890
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1768
LENGTH: 143
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: SITE
LOCATION: (4)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (7)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: SITE
LOCATION: (8)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-300-1768
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Query Match 76.7%; Score 69; DB 10; Length 143;
Best Local Similarity 62.5%; Pred. No. 0.0001;
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
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```
OY 1 GPKGRNVLEKKWGAP 16
Db 114 GPKGRVILIQSWGSP 129
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```
RESULT 6
US-09-925-301-1542
Sequence 1542, Application US/09925301
Patent No. US20020052308A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
FILE REFERENCE: PA106
CURRENT APPLICATION NUMBER: US/09/925,301
CURRENT FILING DATE: 2001-08-10
PRIOR APPLICATION NUMBER: PCT/US00/05882
PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12
```

```

; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1542
; LENGTH: 145
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (40)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-301-1542

```

```

Query Match          76.7%; Score 69; DB 10; Length 145;
Best Local Similarity 62.5%; Pred. No. 0.001;
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

```

```

QY 1 GPKGRNVLEKKWGAP 16
DB 67 GPKGRVILIEQSWGSP 82

```

RESULT 7

```

US-09-925-300-1769
; Sequence 1769, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
; APPLICANT: Craig Ruben
; APPLICANT: Steve Ruben
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101
; CURRENT APPLICATION NUMBER: US/09/925,300
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05988
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1890
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 1769
; LENGTH: 168
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (7)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (12)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (41)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (47)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (115)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (121)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (131)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (163)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-300-1769

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Query Match          76.7%; Score 69; DB 10; Length 168;
Best Local Similarity 62.5%; Pred. No. 0.0012;
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

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QY 1 GPKGRNVLEKKWGAP 16
DB 74 GPKGRVILIEQSWGSP 89

```

RESULT 8

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US-10-269-557-18
; Sequence 18, Application US/10269557
; Publication No. US20030099664A1
; GENERAL INFORMATION:
; APPLICANT: Winiowski, Jan
; TITLE OF INVENTION: HEAT SHOCK GENES AND PROTEINS FROM
; TITLE OF INVENTION: NEISSERIA MENINGITIDIS, CANDIDA GLABRATA AND ASPERGILLUS
; FILE REFERENCE: FUMIGATUS
; CURRENT APPLICATION NUMBER: US/10/269,557
; CURRENT FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: US/09/207,388
; PRIOR FILING DATE: 1998-12-08
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 18
; LENGTH: 48
; TYPE: PRT
; ORGANISM: aspergillus fumigatus
US-10-269-557-18

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```

Query Match          68.9%; Score 62; DB 9; Length 48;
Best Local Similarity 62.5%; Pred. No. 0.0043;
Matches 10; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

```

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QY 1 GPKGRNVLEKKWGAP 16
DB 28 GPKGRNVILIEQSPYGSP 43

```

RESULT 9

```

US-09-847-637b-3
; Sequence 3, Application US/09847637B
; Patent No. US20020150586A1
; GENERAL INFORMATION:
; APPLICANT: Naparstek, Yaakov
; APPLICANT: Ulanovsky, Rina
; APPLICANT: Kashl, Yecheskel
; TITLE OF INVENTION: NOVEL AMINO ACID SEQUENCES, DNA ENCODING
; TITLE OF INVENTION: THE AMINO ACID SEQUENCES, ANTIBODIES DIRECTED AGAINST SUCH
; TITLE OF INVENTION: SEQUENCES AND THE DIFFERENT USES THEREOF
; FILE REFERENCE: 13125-002001
; CURRENT APPLICATION NUMBER: US/09/847,637B
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: PCT/IL99/00595
; PRIOR FILING DATE: 1999-11-04
; PRIOR APPLICATION NUMBER: 60/107,213
; PRIOR FILING DATE: 1998-11-05
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-09-847-637b-3

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Query Match          61.1%; Score 55; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.018;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

QY 7 VVLEKKWGAP 16
DB 1 VVLEKKWGAP 10

```

```

RESULT 10
US-09-893-737-16

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; Sequence 16, Application US/09893737
; Patent No. US20020110855A1
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Presnell, Scott R.
; TITLE OF INVENTION: MAMMALIAN SECRETED PROTEINS
; FILE REFERENCE: 00-41
; CURRENT APPLICATION NUMBER: US/09/893,737
; CURRENT FILING DATE: 2001-06-28
; PRIOR APPLICATION NUMBER: US 60/215,446
; PRIOR FILING DATE: 2000-06-30
; NUMBER OF SEQ ID NOS: 329
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 16
; LENGTH: 188
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-893-737-16

Query Match 45.6%; Score 41; DB 10; Length 188;
Best Local Similarity 33.3%; Pred. No. 50;
Matches 8; Conservative 5; Mismatches 3; Indels 8; Gaps 1;

QY 1 GPKGRNVLEKKW-----GAP 16
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Db 90 GPVGLSLIDRAWMTGMLGRCAP 113

RESULT 11
US-09-847-637B-4
; Sequence 4, Application US/09847637B
; Patent No. US20020150586A1
; GENERAL INFORMATION:
; APPLICANT: Naparstek, Yaakov
; APPLICANT: Ulanovsky, Rina
; APPLICANT: Kashai, Yechezkel
; TITLE OF INVENTION: NOVEL AMINO ACID SEQUENCES, DNA ENCODING
; TITLE OF INVENTION: THE AMINO ACID SEQUENCES, ANTIBODIES DIRECTED AGAINST SUCH
; TITLE OF INVENTION: SEQUENCES AND THE DIFFERENT USES THEREOF
; FILE REFERENCE: 13125-002001
; CURRENT APPLICATION NUMBER: US/09/847,637B
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: PCT/IL99/00595
; PRIOR FILING DATE: 1999-11-04
; PRIOR APPLICATION NUMBER: 60/107,213
; PRIOR FILING DATE: 1998-11-05
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-847-637B-4

Query Match 44.4%; Score 40; DB 10; Length 20;
Best Local Similarity 50.0%; Pred. No. 6.2;
Matches 5; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 7 VVLEKKMGAP 16
|||:::|
Db 2 VIIQSWSGP 11

RESULT 12
US-10-101-464A-745
; Sequence 745, Application US/10101464A
; Publication No. US20030046728A1
; GENERAL INFORMATION:
; APPLICANT: Strabala, Timothy
; APPLICANT: Nieuwenhuizen, Nicolaas
; APPLICANT: Higgins, Colleen M.
; TITLE OF INVENTION: Compositions Isolated from Plant Cells
; TITLE OF INVENTION: and Their Use in the Modification of Plant Cell Signaling
US-10-101-464A-745

; FILE REFERENCE: 11000.1020c2
; CURRENT APPLICATION NUMBER: US/10/101,464A
; CURRENT FILING DATE: 2002-03-18
; PRIOR APPLICATION NUMBER: 09/704,302
; PRIOR FILING DATE: 2000-11-01
; PRIOR APPLICATION NUMBER: 09/228,986
; PRIOR FILING DATE: 1999-01-12
; PRIOR APPLICATION NUMBER: 60/162,866
; PRIOR FILING DATE: 1999-11-01
; PRIOR APPLICATION NUMBER: PCT/US00/00724
; PRIOR FILING DATE: 2000-01-11
; NUMBER OF SEQ ID NOS: 989
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 745
; LENGTH: 119
; TYPE: PRT
; ORGANISM: Pinus radiata
US-10-101-464A-745

Query Match 44.4%; Score 40; DB 9; Length 119;
Best Local Similarity 46.2%; Pred. No. 44;
Matches 6; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 3 KGRNVLEKKWGA 15
|||:::|
Db 94 KASNIILDGEWGA 106

RESULT 13
US-10-156-761-7653
; Sequence 7653, Application US/10156761
; Publication No. US20030119018A1
; GENERAL INFORMATION:
; APPLICANT: OMIURA, SATOSHI
; APPLICANT: IKEDA, HARUO
; APPLICANT: ISHIKAWA, JUN
; APPLICANT: HORIKAWA, HIROSHI
; APPLICANT: SHIBA, TADAYOSHI
; APPLICANT: SAKAKI, YOSHIYUKI
; APPLICANT: HATTORI, MASAHIRA
; TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
; FILE REFERENCE: 249-262
; CURRENT APPLICATION NUMBER: US/10/156,761
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: JP 2001-204089
; PRIOR FILING DATE: 2001-05-30
; PRIOR APPLICATION NUMBER: JP 2001-272697
; PRIOR FILING DATE: 2001-08-02
; NUMBER OF SEQ ID NOS: 15109
; SEQ ID NO 7653
; LENGTH: 117
; TYPE: PRT
; ORGANISM: Streptomyces avermitilis
US-10-156-761-7653

Query Match 43.3%; Score 39; DB 9; Length 117;
Best Local Similarity 53.3%; Pred. No. 62;
Matches 8; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 1 GPKGRNVLEKKWGA 15
|||:::|
Db 15 GPKELDLVRELKWR 29

RESULT 14
US-09-738-626-5916
; Sequence 5916, Application US/09738626
; Publication No. US20020197605A1
; GENERAL INFORMATION:
; APPLICANT: NAKAGAWA, SATOSHI
; APPLICANT: MITOUCCHI, HIROSHI
; APPLICANT: ANDO, SEIKO
; APPLICANT: HAYASHI, MIKIRO
US-09-738-626-5916

APPLICANT: OCHIAI, KEIKO
APPLICANT: YOKOI, HARUHIKO
APPLICANT: TATEISHI, NAOKO
APPLICANT: SENOH, AKIHIRO
APPLICANT: IKEDA, MASATO
APPLICANT: OZAKI, AKIO
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-125
CURRENT APPLICATION NUMBER: US/09/738, 626
CURRENT FILING DATE: 2000-12-18
PRIOR APPLICATION NUMBER: JP 99/377484
PRIOR FILING DATE: 1999-12-16
PRIOR APPLICATION NUMBER: JP 00/159162
PRIOR FILING DATE: 2000-04-07
PRIOR APPLICATION NUMBER: JP 00/280988
PRIOR FILING DATE: 2000-08-03
NUMBER OF SEQ ID NOS: 7059
SOFTWARE: PatentIn ver. 3.0
SEQ ID NO 5916
LENGTH: 131
TYPE: PRT
ORGANISM: Corynebacterium glutamicum
US-09-738-626-5916

Query Match 42.8%; Score 38.5; DB 9; Length 131;
Best Local Similarity 56.2%; Pred. No. 85;
Matches 9; Conservative 2; Mismatches 4; Indels 1; Gaps 1;

QY 1 GPKGRNVLEKKMGAP 16
DB 73 GPKGIDV1-ARKLGVP 87

RESULT 15
US-10-156-761-12474
Sequence 12474, Application US/10156761
Publication No. US20030119018A1
GENERAL INFORMATION:
APPLICANT: OMURA, SATOSHI
APPLICANT: IKEDA, HARUO
APPLICANT: ISHIKAWA, JUN
APPLICANT: HORIKAWA, HIROSHI
APPLICANT: SHIBA, TADAYOSHI
APPLICANT: SAKAKI, YOSHIYUKI
APPLICANT: HATTORI, MASAHIRA
TITLE OF INVENTION: NOVEL POLYNUCLEOTIDES
FILE REFERENCE: 249-262
CURRENT APPLICATION NUMBER: US/10/156, 761
CURRENT FILING DATE: 2002-05-29
PRIOR APPLICATION NUMBER: JP 2001-204089
PRIOR FILING DATE: 2001-05-30
PRIOR APPLICATION NUMBER: JP 2001-272697
PRIOR FILING DATE: 2001-08-02
NUMBER OF SEQ ID NOS: 15109
SEQ ID NO 12474
LENGTH: 132
TYPE: PRT
ORGANISM: Streptomyces avermitilis
US-10-156-761-12474

Query Match 42.2%; Score 38; DB 9; Length 132;
Best Local Similarity 63.6%; Pred. No. 1e+02;
Matches 7; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 4 GRNVLEKKMG 14
DB 57 GRNVLEKKMG 67

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OM protein - protein search, using sw model

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(without alignments)
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Title: US-09-847-637B-2

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Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

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SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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4	36	40.0	8	4	US-08-432-697-11
5	36	40.0	8	4	US-08-466-248-11
6	36	40.0	91	4	US-08-858-207A-396
7	36	40.0	199	4	US-08-936-165A-388
8	35	38.9	70	4	US-09-025-151-21
9	35	38.9	111	4	US-09-134-001C-4686
10	34	37.8	14	4	US-09-675-922-12
11	34	37.8	17	4	US-08-996-679-63
12	34	37.8	17	4	US-08-939-853A-14
13	34	37.8	17	4	US-09-115-395-23
14	34	37.8	17	4	US-09-113-977C-68
15	34	37.8	17	4	US-09-250-059-54
16	34	37.8	17	4	US-09-248-074-54
17	34	37.8	17	4	US-09-187-859-50
18	34	37.8	17	4	US-09-458-870-54
19	34	37.8	47	4	US-08-973-131-65
20	34	37.8	48	2	US-08-637-759B-253
21	34	37.8	48	3	US-08-871-355A-253
22	34	37.8	48	4	US-09-201-945-253
23	34	37.8	61	4	US-09-208-277-6
24	34	37.8	61	4	US-09-556-877-6
25	34	37.8	61	4	US-09-288-594A-6
26	34	37.8	61	4	US-09-620-412C-6
27	34	37.8	86	4	US-09-208-277-5

28	34	37.8	86	4	US-09-556-877-5	Sequence 5, Appli
29	34	37.8	86	4	US-09-288-594A-5	Sequence 5, Appli
30	34	37.8	86	4	US-09-620-412C-5	Sequence 5, Appli
31	34	37.8	99	4	US-09-134-001C-4560	Sequence 4560, Ap
32	34	37.8	177	4	US-09-082-920-3	Sequence 3, Appli
33	33.5	37.2	169	5	PCT-US96-07709-22	Sequence 22, Appli
34	33.5	37.2	197	5	PCT-US96-07709-19	Sequence 19, Appli
35	33.5	36.7	42	2	US-08-766-858A-35	Sequence 35, Appli
36	33	36.7	188	4	US-09-134-001C-3152	Sequence 3152, Ap
37	32	35.6	20	4	US-09-556-877-228	Sequence 228, App
38	32	35.6	20	4	US-09-556-877-229	Sequence 229, App
39	32	35.6	20	4	US-09-620-412C-228	Sequence 228, App
40	32	35.6	20	4	US-09-620-412C-229	Sequence 229, App
41	32	35.6	86	4	US-08-858-207A-471	Sequence 471, Appl
42	32	35.6	87	4	US-09-556-877-28	Sequence 28, Appl
43	32	35.6	87	4	US-09-288-594A-28	Sequence 28, Appl
44	32	35.6	87	4	US-09-620-412C-28	Sequence 28, Appl
45	32	35.6	94	4	US-09-556-877-89	Sequence 89, Appli

ALIGNMENTS

RESULT 1
US-08-598-873-15
Sequence 15, Application US/08598873

Patent No. 5928884

GENERAL INFORMATION:

APPLICANT: Croce, Carlo M.

APPLICANT: Huebner, Kay

TITLE OF INVENTION: PHIT PROTEINS AND NUCLEIC ACIDS AND

NUMBER OF INVENTION: METHODS BASED THEREON

NUMBER OF SEQUENCES: 77

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pennie & Edmonds

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/598,873

FILING DATE: 09-FEB-1996

CLASSIFICATION: 514

ATTORNEY/AGENT INFORMATION:

NAME: Friebe, Thomas E.

REGISTRATION NUMBER: 29,258

REFERENCE/DOCKET NUMBER: 8666-004

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 790-9090

TELEFAX: (212) 869-9741/8864

TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 35 amino acids

TYPE: amino acid

TOPOLOGY: unknown

MOLECULE TYPE: peptide

US-08-598-873-15

Query Match 42.2%; Score 38; DB 2; Length 35;
Best Local Similarity 53.3%; Pred. No. 6.5;
Matches 8; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 2 GPKGRNVVLEKKMGAP 16
DB 2 GPKGRNVVLEKKMGAP 16

RESULT 2

US-08-605-430-15

Sequence 15, Application US/08605430

Patent No. 6242212

GENERAL INFORMATION:

APPLICANT: Croce, Carlo M.

APPLICANT: Huebner, Kay

TITLE OF INVENTION: FHIT PROTEINS AND NUCLEIC ACIDS AND

TITLE OF INVENTION: METHODS BASED THEREON

NUMBER OF SEQUENCES: 86

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pennie & Edmonds

STREET: 1155 Avenue of the Americas

CITY: New York

STATE: New York

COUNTRY: U.S.A.

ZIP: 10036-2711

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/605,430

FILING DATE: 22-FEB-1996

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: Friedel, Thomas E.

REGISTRATION NUMBER: 29,258

REFERENCE/DOCKET NUMBER: 8666-005

TELECOMMUNICATION INFORMATION:

TELEPHONE: (212) 790-9090

TELEFAX: (212) 869-9741/8864

TELEX: 66141 PENNIE

INFORMATION FOR SEQ ID NO: 15:

SEQUENCE CHARACTERISTICS:

LENGTH: 35 amino acids

TYPE: amino acid

TOPOLOGY: unknown

MOLECULE TYPE: peptide

US-08-605-430-15

Query Match 42.2%; Score 38; DB 4; Length 35;

Best Local Similarity 53.3%; Pred. No. 6.5;

Matches 8; Conservative 2; Mismatches 5; Indels 0; Gaps 0;

QY 2 PGRNVLEKKGAP 16

2 PGRKVLVXFLGAP 16

RESULT 3

US-08-467-822-11

Sequence 11, Application US/08467822

Patent No. 5843460

GENERAL INFORMATION:

APPLICANT: Labigne, Agnes

APPLICANT: Sauerbaum, Sebastien

APPLICANT: Ferrero, Richard L.

APPLICANT: Thibierge, Jean-Michel

TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS AGAINST

TITLE OF INVENTION: HELICOBLASTER INFECTION, POLYPEPTIDES FOR USE IN THE

TITLE OF INVENTION: COMPOSITIONS, AND NUCLEIC ACID SEQUENCES ENCODING SAID

NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:

ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &

STREET: 1300 I Street, N.W.

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,822
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/447,177
FILING DATE: 19-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/432,697
FILING DATE: 02-MAY-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 03495.0137-02000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 408-4400
TELEFAX: (202) 408-4000
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide

US-08-467-822-11

Query Match 40.0%; Score 36; DB 2; Length 8;

Best Local Similarity 85.7%; Pred. No. 1.9e+05;

Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 GPKGRNV 7

Db 2 GPKGRNV 8

RESULT 4

US-08-432-697-11

Sequence 11, Application US/08432697

Patent No. 6248330

GENERAL INFORMATION:

APPLICANT: Labigne, Agnes

APPLICANT: Sauerbaum, Sebastien

APPLICANT: Ferrero, Richard L.

APPLICANT: Thibierge, Jean-Michel

TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS AGAINST

TITLE OF INVENTION: HELICOBLASTER INFECTION, POLYPEPTIDES FOR USE IN THE

TITLE OF INVENTION: COMPOSITIONS, AND NUCLEIC ACID SEQUENCES ENCODING SAID

NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:

ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &

STREET: 1300 I Street, N.W.

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20005-3315

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/432,697

FILING DATE: 02-MAY-1995

CLASSIFICATION: 424
ATTORNEY/AGENT INFORMATION:
NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 03495.0137-00000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 408-4000
TELEFAX: (202) 408-4400
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-432-697-11

Query Match 40.0%; Score 36; DB 4; Length 8;
Best Local Similarity 85.7%; Pred. No. 1.9e+05;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 GPKGRNV 7
||:||||
Db 2 GPKGRNV 8

RESULT 5
US-08-466-248-11
Sequence 11, Application US/08466248
Patent No. 6258359
GENERAL INFORMATION:
APPLICANT: Labigne, Agnes
APPLICANT: Sauerbaum, Sebastien
APPLICANT: Ferrero, Richard L.
APPLICANT: Thiberge, Jean-Michel
TITLE OF INVENTION: IMMUNOGENIC COMPOSITIONS AGAINST
TITLE OF INVENTION: HELICOBACTER INFECTION, POLYPEPTIDES FOR USE IN THE
TITLE OF INVENTION: COMPOSITIONS, AND NUCLEIC ACID SEQUENCES ENCODING SAID
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Flinnegan, Henderson, Farabow, Garrett &
ADDRESS: Dunner
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/466,248
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/447,177
FILING DATE: 19-MAY-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/432,697
FILING DATE: 02-MAY-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Meyers, Kenneth J.
REGISTRATION NUMBER: 25,146
REFERENCE/DOCKET NUMBER: 03495.0137-02000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 408-4000
TELEFAX: (202) 408-4400
INFORMATION FOR SEQ ID NO: 11:

SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-466-248-11

Query Match 40.0%; Score 36; DB 4; Length 8;
Best Local Similarity 85.7%; Pred. No. 1.9e+05;
Matches 6; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

OY 1 GPKGRNV 7
||:||||
Db 2 GPKGRNV 8

RESULT 6
US-08-858-207A-396
Sequence 396, Application US/08858207A
Patent No. 6348328
GENERAL INFORMATION:
APPLICANT: Black, Michael
APPLICANT: Hodgson, John
APPLICANT: Knowles, David
APPLICANT: Nicholas, Richard
APPLICANT: Stodola, Robert
TITLE OF INVENTION: No. 6348328e1 Compounds
NUMBER OF SEQUENCES: 552
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/858,207A
FILING DATE: 09-MAY-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/017670
FILING DATE: 14-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Gimmi, Edward R.
REGISTRATION NUMBER: 38,891
REFERENCE/DOCKET NUMBER: P50475
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-4478
TELEFAX: 610-270-5090
INFORMATION FOR SEQ ID NO: 396:
SEQUENCE CHARACTERISTICS:
LENGTH: 91 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6348328e
US-08-858-207A-396

Query Match 40.0%; Score 36; DB 4; Length 91;
Best Local Similarity 60.0%; Pred. No. 42;
Matches 6; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

OY 7 VLEKKKGAP 16
||:||||
Db 52 IVIQRKGAP 61

RESULT 7
US-08-936-165A-388
; Sequence 388, Application US/08936165A
; Patent No. 6348582
; GENERAL INFORMATION:
; APPLICANT: Black, Michael
; APPLICANT: Burnham, Martin
; APPLICANT: Hodgson, John
; APPLICANT: Knowles, David
; APPLICANT: Lonetto, Michael
; APPLICANT: Nicholas, Richard
; APPLICANT: Pratt, Julie
; APPLICANT: Reichard, Richard
; APPLICANT: Rosenberg, Martin
; APPLICANT: Ward, Judith
; TITLE OF INVENTION: No. 6348582el Prokaryotic Polynucleotides,
; TITLE OF INVENTION: Polypeptides and Their Uses
; NUMBER OF SEQUENCES: 534
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Smithline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/936,165A
; FILING DATE: 24-SEP-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/027,032
; FILING DATE: 24-SEP-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Gimm, Edward R
; REGISTRATION NUMBER: 38,891
; REFERENCE/DOCKET NUMBER: P50549
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-4478
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ ID NO: 388:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 199 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
; US-08-936-165A-388
Query Match 40.0%; Score 36; DB 4; Length 199;
Best Local Similarity 80.0%; Pred. No. 1e+02;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 3 KGRNVLEKK 12
| | | | |
| | | | |
Db 171 KGRVVLNKK 180

RESULT 8
US-09-025-151-21
; Sequence 21, Application US/09025151
; Patent No. 6187535
; GENERAL INFORMATION:
; APPLICANT: Legrain, Pierre
; APPLICANT: Fromont, Micheline
; APPLICANT: Rain, Jean-Christophe
; TITLE OF INVENTION: FAST AND EXHAUSTIVE METHOD FOR SELECTING A PREY

; TITLE OF INVENTION: POLYPEPTIDE INTERACTING WITH A BAIT POLYPEPTIDE OF
; TITLE OF INVENTION: INTEREST: APPLICATION TO THE CONSTRUCTION OF MAPS OF
; TITLE OF INVENTION: INTERACTORS POLYPEPTIDES
; FILE REFERENCE: 03495-0164
; CURRENT APPLICATION NUMBER: US/09/025,151
; CURRENT FILING DATE: 1998-02-18
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 21
; LENGTH: 70
; TYPE: PRT
; ORGANISM: Saccharomyces cerevisiae
US-09-025-151-21
Query Match 38.9%; Score 35; DB 4; Length 70;
Best Local Similarity 42.9%; Pred. No. 47;
Matches 6; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

Qy 1 GPKGRNVLEKKWG 14
| | | | |
| | | | |
Db 3 GLTGKPVWVLKMG 16

RESULT 9
US-09-134-001C-4686
; Sequence 4686, Application US/09134001C
; Patent No. 6380370
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 4686
; LENGTH: 111
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-4686
Query Match 38.9%; Score 35; DB 4; Length 111;
Best Local Similarity 54.5%; Pred. No. 79;
Matches 6; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

Qy 2 PKGRNVLEKK 12
| | | | |
| | | | |
Db 21 PLGNRVILEKK 31

RESULT 10
US-09-675-922-12
; Sequence 12, Application US/09675922
; Patent No. 6468731
; GENERAL INFORMATION:
; APPLICANT: Hubbard A., Jeffrey
; APPLICANT: Schense C., Jason
; APPLICANT: Sakiyama E., Shelley
; TITLE OF INVENTION: Enzyme-Mediated Modification of Fibrin for Tissue
; TITLE OF INVENTION: Engineering: Incorporation of Proteins
; FILE REFERENCE: ETH 107 DIV
; CURRENT APPLICATION NUMBER: US/09/675,922
; CURRENT FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 12
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence

FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: heparin-binding sequence
US-09-675-922-12

Query Match 37.8%; Score 34; DB 4; Length 14;
Best Local Similarity 66.7%; Pred. No. 11;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 3 KGRNVLEK 11
Db 3 KGRDVILKK 11

RESULT 11
US-08-996-679-63
Sequence 63, Application US/08996679
Patent No. 6169071

GENERAL INFORMATION:

APPLICANT: Blaschuk, Orest W.

APPLICANT: Gour, Barbara J.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING

TITLE OF INVENTION: CELL ADHESION

NUMBER OF SEQUENCES: 63

CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED and BERRY LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue

CITY: Seattle

STATE: Washington

COUNTRY: USA

ZIP: 98104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/996,679

FILING DATE: 23-DEC-1997

CLASSIFICATION:

ATTORNEY/AGENT INFORMATION:

NAME: Makl, David J.

REGISTRATION NUMBER: 31,392

REFERENCE/DOCKET NUMBER: 100086.401C1

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031

FORMATION FOR SEQ ID NO: 63:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

US-08-996-679-63

Query Match 37.8%; Score 34; DB 4; Length 17;
Best Local Similarity 66.7%; Pred. No. 14;

Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 3 KGRNVLEK 11
Db 5 KGRDVILKK 13

RESULT 12
US-08-939-853A-14
Sequence 14, Application US/08939853A
Patent No. 6203788

GENERAL INFORMATION:

APPLICANT: Blaschuk, Orest W.

APPLICANT: Gour, Barbara J.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR REGULATING

TITLE OF INVENTION: CELL ADHESION

NUMBER OF SEQUENCES: 30

CORRESPONDENCE ADDRESS:

ADDRESSEE: SEED and BERRY LLP

STREET: 6300 Columbia Center, 701 Fifth Avenue

CITY: Seattle

STATE: Washington

COUNTRY: USA

ZIP: 98104

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/939,853A

FILING DATE: 29-SEP-1997

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Makl, David J.

REGISTRATION NUMBER: 32,391

REFERENCE/DOCKET NUMBER: 100086.402

TELECOMMUNICATION INFORMATION:

TELEPHONE: (206) 622-4900

TELEFAX: (206) 682-6031

INFORMATION FOR SEQ ID NO: 14:

SEQUENCE CHARACTERISTICS:

LENGTH: 17 amino acids

TYPE: amino acid

STRANDEDNESS:

TOPOLOGY: linear

US-08-939-853A-14

Query Match 37.8%; Score 34; DB 4; Length 17;
Best Local Similarity 66.7%; Pred. No. 14;

Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

Qy 3 KGRNVLEK 11
Db 5 KGRDVILKK 13

RESULT 13
US-09-115-395-23
Sequence 23, Application US/09115395A
Patent No. 6207639

GENERAL INFORMATION:

APPLICANT: Blaschuk, Orest W.

APPLICANT: Gour, Barbara J.

TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NEURITE OUTGROWTH

FILE REFERENCE: 100086.401C3

CURRENT APPLICATION NUMBER: US/09/115,395A

EARLIER FILING DATE: 1998-07-14

EARLIER APPLICATION NUMBER: 08/996,679

EARLIER FILING DATE: 1997-12-23

EARLIER APPLICATION NUMBER: 08/893,534

EARLIER FILING DATE: 1997-07-11

EARLIER APPLICATION NUMBER: 60/021,612

EARLIER FILING DATE: 1996-07-12

NUMBER OF SEQ ID NOS: 77

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 23

LENGTH: 17

TYPE: PRT

ORGANISM: Artificial Sequence

FEATURE: Description of Artificial Sequence: Solid Phase

OTHER INFORMATION: Synthesis

US-09-115-395-23

Query Match 37.8%; Score 34; DB 4; Length 17;
Best Local Similarity 66.7%; Pred. No. 14;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 3 KGRNVLEK 11
|||:|:|
Db 5 KGRDVLKK 13

RESULT 14

US-09-113-977C-68
; Sequence 68, Application US/09113977C
; Patent No. 6277824
; GENERAL INFORMATION:
; APPLICANT: Doherty, Patrick
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gout, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING ADHESION MOLECULE
; TITLE OF INVENTION: FUNCTION
; FILE REFERENCE: 100086.403
; CURRENT APPLICATION NUMBER: US/09/113,977C
; CURRENT FILING DATE: 1998-07-10
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 68
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Solid Phase
; OTHER INFORMATION: Synthesis
US-09-113-977C-68

Query Match 37.8%; Score 34; DB 4; Length 17;
Best Local Similarity 66.7%; Pred. No. 14;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 3 KGRNVLEK 11
|||:|:|
Db 5 KGRDVLKK 13

RESULT 15

US-09-250-059-54
; Sequence 54, Application US/09250059
; Patent No. 6333307
; GENERAL INFORMATION:
; APPLICANT: Blaschuk, Orest W.
; APPLICANT: Gout, Barbara J.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR MODULATING NEURITE OUTGROWTH
; FILE REFERENCE: 100086.401C6
; CURRENT APPLICATION NUMBER: US/09/250,059
; CURRENT FILING DATE: 1999-02-12
; NUMBER OF SEQ ID NOS: 87
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 54
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Unknown
; FEATURE:
; OTHER INFORMATION: Description of Unknown Organism: N-CAM heparin
; OTHER INFORMATION: sulfate binding site
US-09-250-059-54

Query Match 37.8%; Score 34; DB 4; Length 17;
Best Local Similarity 66.7%; Pred. No. 14;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 3 KGRNVLEK 11
|||:|:|
Db 5 KGRDVLKK 13

Search completed: July 12, 2003, 09:29:28
Job time : 10.4815 secs

GenCore version 5.1.6
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OM protein - protein search, using SW model

Run on: July 12, 2003, 09:28:29 ; Search time 13.9259 Seconds
(without alignments)
133.759 Million cell updates/sec

Title: US-09-847-637b-3
Perfect score: 87
Sequence: 1 VLEKKWGAPRTINDG 16

Scoring table: BLOSUM62
Gapop 10.0, Gapext 0.5

Searched: 445758 seqs, 116419773 residues
Number of hits satisfying chosen parameters: 230949

Minimum DB seq length: 0
Maximum DB seq length: 200

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database: Published Applications AA:
1: /cgn2_6/ptodata/1/pubpaa/US07_NEW_PUB pep:.*
2: /cgn2_6/ptodata/1/pubpaa/PCR_NEW_PUB pep:.*
3: /cgn2_6/ptodata/1/pubpaa/US06_NEW_PUB pep:.*
4: /cgn2_6/ptodata/1/pubpaa/US06_PUBCOMB pep:.*
5: /cgn2_6/ptodata/1/pubpaa/PCUS_PUBCOMB pep:.*
6: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB pep:.*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB pep:.*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB pep:.*
9: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB pep:.*
10: /cgn2_6/ptodata/1/pubpaa/US09_PUBCOMB pep:.*
11: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB pep:.*
12: /cgn2_6/ptodata/1/pubpaa/US10_PUBCOMB pep:.*
13: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB pep:.*
14: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB pep:.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	87	100.0	16	10 US-09-847-637b-3	Sequence 3, Appl1
2	87	100.0	22	10 US-09-847-637b-1	Sequence 1, Appl1
3	59	67.8	20	10 US-09-847-637b-4	Sequence 4, Appl1
4	59	67.8	133	9 US-10-079-623-366	Sequence 366, App
5	59	67.8	135	10 US-09-925-301-1543	Sequence 1543, App
6	59	67.8	143	10 US-09-925-300-1768	Sequence 1768, App
7	59	67.8	145	10 US-09-925-301-1542	Sequence 1542, App
8	59	67.8	168	10 US-09-925-300-1769	Sequence 1769, App
9	55	63.2	16	10 US-09-847-637b-2	Sequence 2, Appl1
10	41	47.1	48	9 US-10-269-557-18	Sequence 18, Appl1
11	40	46.0	130	10 US-09-925-301-1203	Sequence 1203, App
12	39	44.8	138	10 US-09-925-297-879	Sequence 879, App
13	38	43.7	160	9 US-09-797-464A-8	Sequence 8, Appl1
14	38	43.7	167	9 US-09-797-464A-6	Sequence 6, Appl1
15	37	42.5	62	9 US-10-106-698-7805	Sequence 7805, App
16	37	42.5	80	10 US-09-864-761-41649	Sequence 41649, A
17	37	42.5	196	10 US-09-815-242-13165	Sequence 13165, A
18	36	41.4	35	9 US-09-925-299-1294	Sequence 1294, App
19	36	41.4	35	10 US-09-925-299-1294	Sequence 1294, App

20	36	41.4	66	10 US-09-864-761-42638	Sequence 42638, A
21	36	41.4	70	9 US-09-948-227-11	Sequence 11, Appl1
22	36	41.4	94	9 US-09-809-391-505	Sequence 505, Appl1
23	36	41.4	110	9 US-10-156-761-13858	Sequence 13858, A
24	36	41.4	139	9 US-09-764-891-4023	Sequence 4023, App
25	36	41.4	148	9 US-09-738-626-5936	Sequence 5936, App
26	36	41.4	156	9 US-10-156-761-11726	Sequence 11726, A
27	36	41.4	183	9 US-09-948-227-8	Sequence 8, Appl1
28	36	41.4	200	9 US-10-235-674-8	Sequence 8, Appl1
29	36	41.4	200	10 US-09-263-689-8	Sequence 8, Appl1
30	35	40.2	20	10 US-09-735-705-241	Sequence 241, App
31	35	40.2	20	10 US-09-850-716A-241	Sequence 241, App
32	35	40.2	20	10 US-09-897-778-241	Sequence 241, App
33	35	40.2	25	9 US-09-798-869-21	Sequence 21, Appl1
34	35	40.2	25	10 US-09-909-652-4	Sequence 4, Appl1
35	35	40.2	25	10 US-09-030-619-205	Sequence 205, App
36	35	40.2	25	10 US-09-917-340-16	Sequence 16, Appl1
37	35	40.2	60	10 US-09-864-761-35351	Sequence 35351, A
38	35	40.2	78	10 US-09-886-426-4	Sequence 4, Appl1
39	35	40.2	108	9 US-09-796-692-672	Sequence 672, App
40	35	40.2	108	9 US-09-796-692-759	Sequence 759, App
41	35	40.2	108	9 US-10-040-862-672	Sequence 672, App
42	35	40.2	108	9 US-10-040-862-759	Sequence 759, App
43	35	40.2	117	10 US-09-815-242-10776	Sequence 10776, A
44	35	40.2	123	9 US-10-101-464A-121	Sequence 121, App
45	35	40.2	178	9 US-10-156-761-9061	Sequence 9061, App

ALIGNMENTS

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RESULT 1
US-09-847-637b-3
Sequence 3, Application US/09847637B
Patent No. US20020150586A1
GENERAL INFORMATION:
APPLICANT: Naparstek, Yaakov
APPLICANT: Ulimansky, Rina
TITLE OF INVENTION: Kashi, Yecheskel
TITLE OF INVENTION: NOVEL AMINO ACID SEQUENCES, DNA ENCODING
TITLE OF INVENTION: THE AMINO ACID SEQUENCES, ANTIBODIES DIRECTED AGAINST SUCH
FILE REFERENCE: 13125-002001
CURRENT APPLICATION NUMBER: US/09/847,637B
CURRENT FILING DATE: 2001-05-02
PRIOR APPLICATION NUMBER: PCT/IL99/00595
PRIOR FILING DATE: 1999-11-04
PRIOR APPLICATION NUMBER: 60/107,213
PRIOR FILING DATE: 1998-11-05
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3
LENGTH: 16
TYPE: PRT
ORGANISM: Mycobacterium tuberculosis
US-09-847-637b-3

Query Match      100.0%; Score 87; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 1e-07;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db      1 VLEKKWGAPRTINDG 16
      1 VLEKKWGAPRTINDG 16

RESULT 2
US-09-847-637b-1
Sequence 1, Application US/09847637B
Patent No. US20020150586A1
GENERAL INFORMATION:
APPLICANT: Naparstek, Yaakov
APPLICANT: Ulimansky, Rina
```

```

? APPLICANT: Kashi, Yechezkel
? TITLE OF INVENTION: NOVEL AMINO ACID SEQUENCES, DNA ENCODING
? TITLE OF INVENTION: THE AMINO ACID SEQUENCES, ANTIBODIES DIRECTED
? TITLE OF INVENTION: SEQUENCES AND THE DIFFERENT USES THEREOF
? FILE REFERENCE: 13125-002001
? CURRENT APPLICATION NUMBER: US/09/847.637B
? CURRENT FILING DATE: 2001-05-02
? PRIOR APPLICATION NUMBER: PCT/IL99/00595
? PRIOR FILING DATE: 1999-11-04
? PRIOR APPLICATION NUMBER: 60/107,213
? PRIOR FILING DATE: 1998-11-05
? NUMBER OF SEQ ID NOS: 9
? SOFTWARE: FASTSEQ for Windows Version 4.0
? SEQ ID NO: 1
? LENGTH: 22
? TYPE: PRN
? ORGANISM: Mycobacterium tuberculosis
? US-09-847-637B-1

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Query Match	100.0%	Score 87;	DB 10;	Length 22;
Best Local Similarity	100.0%	Pred. No. 1.4e-07;		
Matches 16;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0

Qy	1	V	L	E	K	K	G	A	P	T	I	N	D	G	16
Db	7	V	L	E	K <td>K</td> <td>G<td>A<td>P<td>T<td>I<td>N</td><td>D</td><td>G<td>22</td></td></td></td></td></td></td>	K	G <td>A<td>P<td>T<td>I<td>N</td><td>D</td><td>G<td>22</td></td></td></td></td></td>	A <td>P<td>T<td>I<td>N</td><td>D</td><td>G<td>22</td></td></td></td></td>	P <td>T<td>I<td>N</td><td>D</td><td>G<td>22</td></td></td></td>	T <td>I<td>N</td><td>D</td><td>G<td>22</td></td></td>	I <td>N</td> <td>D</td> <td>G<td>22</td></td>	N	D	G <td>22</td>	22

RESULT 3
US-09-847-637B-4

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: Sequence 4, Application US/09847637B
: Patent No. US20020150586A1
: GENERAL INFORMATION:
: APPLICANT: Naparstek, Yaakov
: APPLICANT: Ulanovsky, Rina
: APPLICANT: Kashi, Yechizkel
: TITLE OF INVENTION: NOVEL AMINO ACID SEQUENCES, DNA ENCODING
: TITLE OF INVENTION: THE AMINO ACID SEQUENCES, ANTIBODIES DIRECTED AGAINST SUCH
: TITLE OF INVENTION: SEQUENCES AND THE DIFFERENT USES THEREOF
: FILE REFERENCE: 13125-002001
: CURRENT APPLICATION NUMBER: US/09/847,637B
: CURRENT FILING DATE: 2001-05-02
: PRIOR APPLICATION NUMBER: PCT/IL99/00595
: PRIOR FILING DATE: 1999-11-04
: PRIOR APPLICATION NUMBER: 60/1107,213
: PRIOR FILING DATE: 1998-11-05
: NUMBER OF SEQ ID NOS: 9
: SOFTWARE: FastSeq for Windows Version 4.0

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; SOFTWARE: Fastseq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 20
; TYPE: PRT

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! ORGANISM: Homo sapiens
US-09-847-637B-4

Query Match	67.8%	Score 59	DB 10	Length 20
Best Local Similarity	50.0%	Pred. NO.	0.0045	
Matches	8	Conservative	5	Mismatches 3
				Indels 0
				Gaps 0

```
QY      1 VVLEKKWGAPITNDG 16
        |:::|:|:|:|
Db      2 VIEQSWGSPKVTKD G 17
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RESULT 4
US-10-079-623-366

Sequence 366, Application US/100796623
Patent No. US20020169302A1
GENERAL INFORMATION:
APPLICANT: Havukkala, Ilkka J.
APPLICANT: Glenn, Matthew
APPLICANT: Grigor, Matthew R.
APPLICANT: Molesnar, Adrian J.
TITLE OF INVENTION: Compositions isolated from bovine

```

; TITLE OF INVENTION: mammary gland and methods for their use
; FILE REFERENCE: 11000.1044c3
; CURRENT APPLICATION NUMBER: US/10/079, 623
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 370
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 366
; LENGTH: 133
; TYPE: PRT
; ORGANISM: Bovine
US-10-079-623-366

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Query Match	67.8%	Score 59	DB 9	Length 133
Best Local Similarity	50.0%	Pred. Nc	0.034	
Matches	8	Conservative	5	Mismatches 3
				Indels 0
				Gaps 0

```
QY      1 VLEKKWGAFTITNDG 16
        |:::|::|::|
Db      62 VIEQSWGSPKVTKDQ 77
```

RESULT 5
US-09-925-301-1543

```

; Patent No. US20020052308A1
;
; GENERAL INFORMATION:
;
; APPLICANT: Rosen et al.
;
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies

```

```

; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
;

```

```

; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08

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PRIOR FILING DATE: 2000-03-08
PRIOR APPLICATION NUMBER: 60/124,270
PRIOR FILING DATE: 1999-03-12

```

; ERION FILING DATE: 1992-03
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: PatentIn Ver. 2.0

```

; SEQ ID NO 1543
; LENGTH: 135

TYPE: PRT
ORGANISM: Homo sapiens

ORGANISM: Homo sapiens
US-09-925-301-1543

Query Match	67.8%	Score 59	DB 10	length 135
Best Local Similarity	50.0%	Pred. No.	0.035	
Matches	8	Conservative	5	Mismatches 3
				Indels 0
				Gaps 0

```
QY      1 VLEKKWGAPITINDG 16
      |::|::|::|::|
Db      32 VIEQSWGSPKVTKD 47
```

RESULT 6
US-09-925-300-1768

; Sequence 1768, Application
; Patent No. US20020151681A1
; ATTORNEY, FIRM, AND ADDRESS

```

;; GENERAL INFORMATION:
; APPLICANT: Craig Rosen,
; APPLICANT: Steven Ruben

```

FILE REFERENCE: PA101

; CURRENT APPLICATION NUMBER: US/09/925,300
 ; CURRENT FILING DATE: 2001-08-10

;; PRIOR APPLICATION NUMBER: PCT/US00/05988
; PRIOR FILING DATE: 2000-03-08

; PRIOR APPLICATION NUMBER: 60/124,270
 ; PRIOR FILING DATE: 1999-03-12

```

; NUMBER OF SEQ ID NOS: 1890
;
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1768

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; SEQ ID NO 1/8
; LENGTH: 143
; TYPE: PRT

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ORGANISM: *Homo sapiens*

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; FEATURE:
; NAME/KEY: SITE
; LOCATION: (4)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (7)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (8)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-300-1768

Query Match      67.8%; Score 59; DB 10; Length 143;
Best Local Similarity 50.0%; Pred. No. 0.037;
Matches      8; Conservative      5; Mismatches      3; Indels      0; Gaps      0;

QY      1 VLEKKWGAPITNDG 16
|:::|:::|:::|:::|
D      120 VILQSGWSPKVTXDG 135

RESULT 7
US-09-925-301-1542
; Sequence 1542, Application US/09925301
; Patent No. US20020052308A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1542
; LENGTH: 145
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (40)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-301-1542

Query Match      67.8%; Score 59; DB 10; Length 145;
Best Local Similarity 50.0%; Pred. No. 0.037;
Matches      8; Conservative      5; Mismatches      3; Indels      0; Gaps      0;

QY      1 VLEKKWGAPITNDG 16
|:::|:::|:::|:::|
D      73 VILQSGWSPKVTXDG 88

RESULT 8
US-09-925-300-1769
; Sequence 1769, Application US/09925300
; Patent No. US20020151681A1
; GENERAL INFORMATION:
; APPLICANT: Craig Rosen,
; APPLICANT: Steve Ruben,
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA101
; CURRENT APPLICATION NUMBER: US/09/925,300
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05988
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1890
; SOFTWARE: PatentIn Ver. 2.0
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; SEQ ID NO 1769
; LENGTH: 168
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (7)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (12)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (41)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (47)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (115)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (121)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (131)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (163)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-300-1769

Query Match      67.8%; Score 59; DB 10; Length 168;
Best Local Similarity 50.0%; Pred. No. 0.044;
Matches      8; Conservative      5; Mismatches      3; Indels      0; Gaps      0;

QY      1 VLEKKWGAPITNDG 16
|:::|:::|:::|:::|
D      80 VILQSGWSPKVTXDG 95

RESULT 9
US-09-847-637b-2
; Sequence 2, Application US/09847637B
; Patent No. US20020150586A1
; GENERAL INFORMATION:
; APPLICANT: Naparetek, Yaakov
; APPLICANT: Ulimansky, Rina
; TITLE OF INVENTION: NOVEL AMINO ACID SEQUENCES, DNA ENCODING
; TITLE OF INVENTION: THE AMINO ACID SEQUENCES, ANTIBODIES DIRECTED AGAINST SUCH
; TITLE OF INVENTION: SEQUENCES AND THE DIFFERENT USES THEREOF
; FILE REFERENCE: 13125-002001
; CURRENT APPLICATION NUMBER: US/09/847,637B
; CURRENT FILING DATE: 2001-05-02
; PRIOR APPLICATION NUMBER: PCT/IL99/00595
; PRIOR FILING DATE: 1999-11-04
; PRIOR APPLICATION NUMBER: 60/107,213
; PRIOR FILING DATE: 1998-11-05
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FaastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Mycobacterium tuberculosis
US-09-847-637b-2

Query Match      63.2%; Score 55; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.016;
Matches      10; Conservative      0; Mismatches      0; Indels      0; Gaps      0;

QY      1 VLEKKWGAP 10
|:::|:::|:::|:::|
D      7 VLEKKWGAP 16
```

```
RESULT 10
US-10-269-557-18
; Sequence 18, Application US/10269557
; Publication No. US20030099664A1
; GENERAL INFORMATION:
; APPLICANT: Wisniewski, Jan
; TITLE OF INVENTION: HEAT SHOCK GENES AND PROTEINS FROM
; TITLE OF INVENTION: NEISSERIA MENINGITIDIS, CANDIDA GLABRATA AND ASPERGILLUS
; TITLE OF INVENTION: FUNGIGATUS
; FILE REFERENCE: 870109.411
; CURRENT APPLICATION NUMBER: US/10/269,557
; CURRENT FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: US/09/207,388
; PRIOR FILING DATE: 1998-12-08
; NUMBER OF SEQ ID NOS: 102
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 18
; LENGTH: 48
; TYPE: PRT
; ORGANISM: aspergillus fumigatus
US-10-269-557-18

Query Match      47.1%; Score 41; DB 9; Length 48;
Best Local Similarity 46.7%; Pred. No. 9.8;
Matches 7; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY      1 VLEKKWGAPITNDG 15
Db      34 VLESYVGSPIKTXD 48

RESULT 11
US-09-925-301-1203
; Sequence 1203, Application US/09925301
; Patent No. US20020052308A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1203
; LENGTH: 130
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (27)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-301-1203

Query Match      46.0%; Score 40; DB 10; Length 130;
Best Local Similarity 50.0%; Pred. No. 41;
Matches 6; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY      5 KKGAPITNDG 16
Db      108 KIWGAPLSSPG 119

RESULT 12
US-09-925-297-879
; Sequence 879, Application US/09925297
; Patent No. US20020081659A1
; GENERAL INFORMATION:
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; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA105
; CURRENT APPLICATION NUMBER: US/09/925,297
; CURRENT FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05989
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 928
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 879
; LENGTH: 138
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (83)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (102)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (107)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (111)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (113)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (115)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (125)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (127)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (132)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (135)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-297-879

Query Match      44.8%; Score 39; DB 10; Length 138;
Best Local Similarity 37.5%; Pred. No. 64;
Matches 6; Conservative 3; Mismatches 7; Indels 0; Gaps 0;

QY      1 VLEKKWGAPITNDG 16
Db      72 VMISTEWAPNXLNDG 87

RESULT 13
US-09-797-464A-8
; Sequence 8, Application US/09797464A
; Publication No. US2003002807A1
; GENERAL INFORMATION:
; APPLICANT: Wilting, Reinhard
; APPLICANT: Bjornvad, Made Eskelund
; APPLICANT: Kauppinen, Markus Sakari
; APPLICANT: Schuilein, Martin
; TITLE OF INVENTION: Family 5 Xyloglucanases
; FILE REFERENCE: 6073.200-US
; CURRENT APPLICATION NUMBER: US/09/797,464A
; CURRENT FILING DATE: 2002-02-19
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
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LENGTH: 160
TYPE: PRT
ORGANISM: Paenibacillus pabuli
US-09-797-464A-8

Query Match 43.7%; Score 38; DB 9; Length 160;
Best Local Similarity 60.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;
QY 4 EKKWGAPIT 13
| | | | |
Db 20 ETWANGPTVT 29

RESULT 14
US-09-797-464A-6
Sequence 6, Application US/09797464A
Publication No. US20030022807A1
GENERAL INFORMATION:
APPLICANT: Wilting, Reinhard
APPLICANT: Bjornvad, Mads Bekkelund
APPLICANT: Kauppinen, Markus Sakari
APPLICANT: Schuelein, Martin
TITLE OF INVENTION: Family 5 Xyloglucanases
FILE REFERENCE: 6073.200-US
CURRENT APPLICATION NUMBER: US/09/797.464A
CURRENT FILING DATE: 2002-02-19
NUMBER OF SEQ ID NOS: 25
SOFTWARE: PatentIn version 3.1
SEQ ID NO 6
LENGTH: 167
TYPE: PRT
ORGANISM: Paenibacillus pabuli
US-09-797-464A-6

Query Match 43.7%; Score 38; DB 9; Length 167;
Best Local Similarity 60.0%; Pred. No. 1.1e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 4 EKKWGAPIT 13
| | | | |
Db 20 ETWANGPTVT 29

RESULT 15
US-10-106-698-7805
Sequence 7805, Application US/10106698
Publication No. US20030109690A1
GENERAL INFORMATION:
APPLICANT: Ruben et al.
TITLE OF INVENTION: Colon and Colon Cancer Associated Polynucleotides and Polypeptide
FILE REFERENCE: P4005P1
CURRENT APPLICATION NUMBER: US/10/106.698
CURRENT FILING DATE: 2002-03-27
PRIOR APPLICATION NUMBER: PCT/US00/26524
PRIOR FILING DATE: 2000-09-28
PRIOR APPLICATION NUMBER: US 60/157,137
PRIOR FILING DATE: 1999-09-29
PRIOR APPLICATION NUMBER: US 60/163,280
PRIOR FILING DATE: 1999-11-03
NUMBER OF SEQ ID NOS: 8564
SOFTWARE: PatentIn Ver. 3.0
SEQ ID NO 7805
LENGTH: 62
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (12)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: MISC FEATURE
LOCATION: (15)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids

NAME/KEY: MISC FEATURE
LOCATION: (25)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: MISC FEATURE
LOCATION: (41)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
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OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
NAME/KEY: MISC FEATURE
LOCATION: (61)
OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-10-106-698-7805

Query Match 42.5%; Score 37; DB 9; Length 62;
Best Local Similarity 60.0%; Pred. No. 58;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

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Db 44 WGALTITNG 53

Search completed: July 12, 2003, 09:39:18
Job time : 13.9259 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: July 12, 2003, 09:24:54 ; Search time 9.48148 Seconds
(without alignments)
49.651 Million cell updates/sec

Title: US-09-847-637b-3

Perfect score: 87

Sequence: 1 VLEKKWGAFTINDG 16

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Gapop 10.0 , Gapext 0.5

Number of hits satisfying chosen parameters: 219319

Minimum DB seq length: 0
Maximum DB seq length: 200

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	37	42.5	91	4	US-08-858-207A-396
2	36	41.4	94	4	US-09-149-476-505
3	36	41.4	200	3	US-08-946-914-8
4	36	41.4	200	4	US-09-656-450-8
5	35	40.2	18	1	US-08-204-487-4
6	35	40.2	20	1	US-07-755-161A-1
7	35	40.2	20	1	US-07-755-161A-2
8	35	40.2	20	1	US-07-891-114-1
9	35	40.2	20	1	US-07-891-114-2
10	35	40.2	20	1	US-08-204-487-2
11	35	40.2	20	1	US-08-256-771-22
12	35	40.2	20	1	US-08-256-771-23
13	35	40.2	20	1	US-08-381-984-22
14	35	40.2	20	1	US-08-381-984-23
15	35	40.2	20	4	US-09-643-597-241
16	35	40.2	25	1	US-07-755-161A-5
17	35	40.2	25	1	US-07-891-174-5
18	35	40.2	25	1	US-07-971-981-1
19	35	40.2	25	1	US-08-204-487-8
20	35	40.2	25	1	US-08-256-771-26
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22	35	40.2	25	2	US-08-464-182A-8
23	35	40.2	25	2	US-08-464-182A-9
24	35	40.2	25	2	US-08-406-271-8
25	35	40.2	25	2	US-08-406-271-9
26	35	40.2	32	1	US-07-755-161A-7
27	35	40.2	32	1	US-07-891-174-7

28	35	40.2	32	1	US-08-256-771-29	Sequence 29, Appl
29	35	40.2	32	1	US-08-381-984-28	Sequence 28, Appl
30	35	40.2	38	1	US-07-755-161A-6	Sequence 6, Appl
31	35	40.2	38	1	US-07-891-174-6	Sequence 6, Appl
32	35	40.2	38	1	US-08-256-771-28	Sequence 28, Appl
33	35	40.2	38	1	US-08-381-984-27	Sequence 27, Appl
34	35	40.2	51	4	US-09-017-043A-4	Sequence 4, Appl
35	35	40.2	53	2	US-08-464-182A-22	Sequence 22, Appl
36	35	40.2	53	2	US-08-406-271-22	Sequence 22, Appl
37	35	40.2	123	4	US-09-228-986-121	Sequence 121, App
38	34	39.1	47	4	US-08-469-260A-344	Sequence 344, App
39	34	39.1	155	4	US-09-087-134-12	Sequence 12, Appl
40	34	39.1	184	2	US-08-647-960-10	Sequence 10, Appl
41	33	37.9	94	3	US-08-946-329A-88	Sequence 88, Appl
42	33	37.9	101	3	US-09-034-916-9	Sequence 9, Appl
43	33	37.9	178	2	US-08-874-832-18	Sequence 18, Appl
44	33	37.9	178	3	US-09-027-233-18	Sequence 18, Appl
45	33	37.9	178	3	US-08-705-875A-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1
US-08-858-207A-396
Sequence 396, Application US/08858207A
Patent No. 6348328
GENERAL INFORMATION:
APPLICANT: Black, Michael
APPLICANT: Hodgson, John
APPLICANT: Knowles, David
APPLICANT: Nicholas, Richard
APPLICANT: Stodola, Robert
TITLE OF INVENTION: No. 6348328e1 Compounds
NUMBER OF SEQUENCES: 552
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406-0939
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/858,207A
FILING DATE: 09-MAY-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/017670
FILING DATE: 14-MAY-1996
ATTORNEY/AGENT INFORMATION:
NAME: Gimmi, Edward R
REGISTRATION NUMBER: 38,891
REFERENCE/DOCKET NUMBER: P50475
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-4478
TELEFAX: 610-270-5090
TELEX:
INFORMATION FOR SEQ ID NO: 396:
SEQUENCE CHARACTERISTICS:
LENGTH: 91 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: No. 6348328e
US-08-858-207A-396
Query Match 42.5%; Score 37; DB 4; Length 91;
Best local Similarity 54.5%; Pred. No. 31;

Matches 6; Conservative 4; Mismatches 1; Indels 0; Gaps 0;
Cy 1 VLEKKMGAPT 11
Db 52 IVTKKCGAPS 62

RESULT 2
US-09-149-476-505
Sequence 505, Application US/09149476
Patent No. 6420526
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: 186 Human Secreted proteins
FILE REFERENCE: P2002p1
CURRENT APPLICATION NUMBER: US/09/149,476
CURRENT FILING DATE: 1998-09-08
EARLIER APPLICATION NUMBER: PCT/US98/04493
EARLIER FILING DATE: 1998-03-06
EARLIER APPLICATION NUMBER: 60/040,162
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,333
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/038,621
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,626
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EARLIER APPLICATION NUMBER: 60/040,334
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/040,336
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EARLIER APPLICATION NUMBER: 60/040,163
EARLIER FILING DATE: 1997-03-07
EARLIER APPLICATION NUMBER: 60/047,600
EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-05-23
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EARLIER FILING DATE: 1997-04-11
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EARLIER APPLICATION NUMBER: 60/048,974
EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/056,886
EARLIER FILING DATE: 1997-08-22
EARLIER APPLICATION NUMBER: 60/056,877
EARLIER FILING DATE: 1997-08-22
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EARLIER APPLICATION NUMBER: 60/043,670
EARLIER FILING DATE: 1997-04-11
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EARLIER FILING DATE: 1997-06-06
EARLIER APPLICATION NUMBER: 60/057,650
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/056,884
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EARLIER APPLICATION NUMBER: 60/057,669
EARLIER FILING DATE: 1997-09-05
EARLIER APPLICATION NUMBER: 60/049,610
EARLIER FILING DATE: 1997-06-13
EARLIER APPLICATION NUMBER: 60/061,060
EARLIER FILING DATE: 1997-10-02

Query Match 41.4%; Score 36; DB 4; Length 94;
Best Local Similarity 42.9%; Pred. No. 48;
Matches 6; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

Qy 3 LEXKMGAPITNDG 16
Db 37 LTKMGCSLORDG 50

RESULT 3
US-08-946-914-8
Sequence 8, Application US/08946914
Patent No. 6027916
GENERAL INFORMATION:
APPLICANT: NI, Jjian
APPLICANT: Gentz, Reiner L.
APPLICANT: Ruben, Steven M.
TITLE OF INVENTION: Galectin 8, 9, 10 and 105V
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sterne, Kessler, Goldstein, & Fox P.L.L.C.
STREET: 1100 New York Ave., Suite 600
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-1934
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/946,914
FILING DATE: Herewith
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/026,093
FILING DATE: 09-OCT-1996
ATTORNEY/AGENT INFORMATION:
NAME: Steffe, Eric K.
REGISTRATION NUMBER: 36,688
REFERENCE/DOCKET NUMBER: 1486.0560001/EKS/SGM
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-2600
TELEFAX: 202-371-2540
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 200 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-946-914-8

Query Match 41.4%; Score 36; DB 3; Length 200;
Best Local Similarity 42.9%; Pred. No. 1,1e+02;
Matches 6; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy 2 VLEKMGAPITND 15
Db 81 LINEKMGREITVD 94

RESULT 4
US-09-656-450-8
Sequence 8, Application US/09656450
Patent No. 6468768
GENERAL INFORMATION:
APPLICANT: NI, Jjian
APPLICANT: Gentz, Reiner L.
APPLICANT: Ruben, Steven M.
TITLE OF INVENTION: Galectin 9 and 105V Polynucleotides
FILE REFERENCE: 1488.0560003
CURRENT APPLICATION NUMBER: US/09/656,450
FILING DATE: 2000-09-06
PRIOR APPLICATION NUMBER: US 09/263,669
PRIOR FILING DATE: 1999-03-05
PRIOR APPLICATION NUMBER: US 08/946,914
PRIOR FILING DATE: 1997-10-09
PRIOR APPLICATION NUMBER: US 60/028,093
PRIOR FILING DATE: 1996-10-09
NUMBER OF SEQ ID NOS: 60
SOFTWARE: PatentIn version 3.0

SEQ ID NO 8
LENGTH: 200
TYPE: PRT
ORGANISM: Homo sapiens
US-09-656-450-8

Query Match 41.4%; Score 36; DB 4; Length 200;
Best Local Similarity 42.9%; Pred. No. 1.1e+02;
Matches 6; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

QY 2 VLEKKGAPITND 15
: : : : :
DB 81 LINEKMGREIITYD 94

RESULT 5
US-08-204-487-4
Sequence 4, Application US/08204487
Patent No. 5565425
GENERAL INFORMATION:

APPLICANT: YAMAMOTO, NAOKI
APPLICANT: NAKASHIMA, HIDEKI
APPLICANT: MOSUCHI, WATARU
APPLICANT: TANAKA, SHIGEKI
APPLICANT: DOSAKO, SHUN'ICHI
APPLICANT: KAWASAKI, YOSHIHIRO
APPLICANT: UCHIDA, TOSHIAKI
TITLE OF INVENTION: VIRAL INFECTION AND PROLIFERATION
TITLE OF INVENTION: INHIBITORS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: PATENT ADMINISTRATOR, TESTA, HURWITZ &
STREET: 53 STATE STREET
CITY: BOSTON
STATE: MA
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/204,487
FILING DATE: 02-MAR-1994
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: CAMPBELL, PAULA A.
REGISTRATION NUMBER: 32,503
REFERENCE/DOCKET NUMBER: FUJ-019
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..18
OTHER INFORMATION: /note= "BOVINE LACTOFERRIN PEPTIDE"
US-08-204-487-4

Query Match 40.2%; Score 35; DB 1; Length 18;
Best Local Similarity 77.8%; Pred. No. 11;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 5 KKMGAFTIT 13

DB 9 KKLGAFTIT 17
: : : : :
: : : : :

RESULT 6
US-07-755-161A-1
Sequence 1, Application US/07755161A
Patent No. 5304633
GENERAL INFORMATION:

APPLICANT: Mamoru TOMITA et al.
TITLE OF INVENTION: Antimicrobial Peptides and an
TITLE OF INVENTION: Antimicrobial Agent
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 500Kb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: DisplayWrite
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/755,161A
FILING DATE: 19910905
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
TELEFAX: 202-371-8856
TELEX:

INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: AMINO ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE:
HYPOTHETICAL:
ANTI-SENSE:
FRAGMENT TYPE:
ORIGINAL SOURCE:
ORGANISM:

STRAIN:
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
CELL LINE:
ORGANELLE:
IMMEDIATE SOURCE:
LIBRARY:
CLONE:
POSITION IN GENOME:
CHROMOSOME/SEGMENT:
MAP POSITION:
UNITS:

FEATURE:
NAME/KEY: modified site
LOCATION: 2
IDENTIFICATION METHOD:
OTHER INFORMATION: /note= "thiol group of
OTHER INFORMATION: Cys residue at location 2 connected by disulfide bond with

OTHER INFORMATION: thiol group of Cys residue at location 19"
FEATURE:
NAME/KEY: modified site
LOCATION: 19
IDENTIFICATION METHOD:
OTHER INFORMATION: /note= "thiol group of
OTHER INFORMATION: Cys residue at location 19 connected by disulfide bond with
OTHER INFORMATION: thiol group of Cys residue at location 2"
PUBLICATION INFORMATION:
AUTHORS:
TITLE:
JOURNAL:
VOLUME:
ISSUE:
PAGES:
DATE:
DOCUMENT NUMBER:
FILING DATE:
PUBLICATION DATE:
RELEVANT RESIDUES IN SEQ ID NO:
07-755-161A-1

Query Match 40.2%; Score 35; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 12;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 5 KKGAPIT 13
Db 10 KKGAPIT 18

RESULT 7
US-07-755-161A-2
Sequence 2, Application US/07755161A
Patent No. 5304633
GENERAL INFORMATION:
APPLICANT: Mamoru TOMITA et al.
TITLE OF INVENTION: Antimicrobial peptides and an
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 500KB
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Displaywrite
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/755,161A
FILING DATE: 19910905
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
TELEFAX: 202-371-8856
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: AMINO ACID
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE:
HYPOTHETICAL:
ANTI-SENSE:
FRAGMENT TYPE:
ORIGINAL SOURCE:
ORGANISM:
STRAIN:
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
HAPLOTYPE:
TISSUE TYPE:
CELL LINE:
ORGANELLE:
IMMEDIATE SOURCE:
LIBRARY:
CLONE:
POSITION IN GENOME:
CHROMOSOME/SEGMENT:
MAP POSITION:
UNITS:
FEATURE:
NAME/KEY: modified site
LOCATION: 2
IDENTIFICATION METHOD:
OTHER INFORMATION: /note= "Cys residue
OTHER INFORMATION: having thiol group chemically modified to prevent disulfide
OTHER INFORMATION: bond formation"
OTHER INFORMATION: bond formation"
FEATURE:
NAME/KEY: modified site
LOCATION: 19
IDENTIFICATION METHOD:
OTHER INFORMATION: /note= "Cys residue
OTHER INFORMATION: having thiol group chemically modified to prevent disulfide
OTHER INFORMATION: bond formation"
PUBLICATION INFORMATION:
AUTHORS:
TITLE:
JOURNAL:
VOLUME:
ISSUE:
PAGES:
DATE:
DOCUMENT NUMBER:
FILING DATE:
PUBLICATION DATE:
RELEVANT RESIDUES IN SEQ ID NO:
07-755-161A-2

Query Match 40.2%; Score 35; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 12;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
QY 5 KKGAPIT 13
Db 10 KKGAPIT 18

RESULT 8
US-07-891-174-1
Sequence 1, Application US/07891174
Patent No. 5317084
GENERAL INFORMATION:
APPLICANT: Mamoru TOMITA et al.
TITLE OF INVENTION: Antimicrobial peptides and an
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.

ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 500KB
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Displaywrite
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/891,174
FILING DATE: 29-MAY-1992
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/755,161
FILING DATE: 05-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek Jr.
REGISTRATION NUMBER: 33,367
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
TELEFAX: 202-371-8856
TELEX:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE:
HYPOTHETICAL:
ANTI-SENSE:
FRAGMENT TYPE:
ORIGINAL SOURCE:
ORGANISM:
STRAIN:
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
CELL LINE:
ORGANELLE:
IMMEDIATE SOURCE:
LIBRARY:
CLONE:
POSITION IN GENOME:
CHROMOSOME/SEGMENT:
MAP POSITION:
UNITS:
FEATURE:
NAME/KEY: modified site
LOCATION: 2
IDENTIFICATION METHOD:
OTHER INFORMATION: /note= "thiol group of
OTHER INFORMATION: Cys residue at location 2 connected by disulfide bond with
OTHER INFORMATION: thiol group of Cys residue at location 19"
FEATURE:
NAME/KEY: modified site
LOCATION: 19
IDENTIFICATION METHOD:
OTHER INFORMATION: /note= "thiol group of
OTHER INFORMATION: Cys residue at location 19 connected by disulfide bond with
OTHER INFORMATION: thiol group of Cys residue at location 2"
PUBLICATION INFORMATION:
AUTHORS:
TITLE:
JOURNAL:
VOLUME:
ISSUE:
PAGES:
DATE:
DOCUMENT NUMBER:
FILING DATE:
PUBLICATION DATE:

RELEVANT RESIDUES IN SEQ ID NO:
US-07-891-174-1
Query Match 40.2%; Score 35; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 12;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
Oy 5 KKGAPTT 13
Db 10 KKGAPST 18
RESULT 9
US-07-891-174-2
Sequence 2, Application US/07891174
Patent No. 5317084
GENERAL INFORMATION:
APPLICANT: Mamoru TOMITA et al.
TITLE OF INVENTION: Antimicrobial peptides and an
TITLE OF INVENTION: Antimicrobial Agent
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 500KB
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Displaywrite
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/891,174
FILING DATE: 29-MAY-1992
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/755,161
FILING DATE: 05-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
TELEFAX: 202-371-8856
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE:
HYPOTHETICAL:
ANTI-SENSE:
FRAGMENT TYPE:
ORIGINAL SOURCE:
ORGANISM:
STRAIN:
INDIVIDUAL ISOLATE:
DEVELOPMENTAL STAGE:
HAPLOTYPE:
TISSUE TYPE:
CELL TYPE:
CELL LINE:
ORGANELLE:
IMMEDIATE SOURCE:
LIBRARY:
CLONE:
POSITION IN GENOME:
CHROMOSOME/SEGMENT:

MAP POSITION:
UNITS:
FEATURE:
NAME/KEY: modified site
LOCATION: 2
IDENTIFICATION METHOD:
OTHER INFORMATION: /note= "Cys residue
OTHER INFORMATION: having thiol group chemically modified to prevent disulfide
OTHER INFORMATION: bond formation"
FEATURE:
NAME/KEY: modified site
LOCATION: 19
IDENTIFICATION METHOD:
OTHER INFORMATION: /note= "Cys residue
OTHER INFORMATION: having thiol group chemically modified to prevent disulfide
OTHER INFORMATION: bond formation"
PUBLICATION INFORMATION:
AUTHORS:
TITLE:
JOURNAL:
VOLUME:
ISSUE:
PAGES:
DATE:
DOCUMENT NUMBER:
FILING DATE:
PUBLICATION DATE:
RELEVANT RESIDUES IN SEQ ID NO:
US-07-891-174-2

Query Match 40.2%; Score 35; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 12;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 5 KKGAPTTT 13
Db 10 KKGAPPSIT 18

RESULT 10
US-08-204-487-2
Sequence 2, Application US/08204487
Patent No. 5565425
GENERAL INFORMATION:
APPLICANT: YAMAMOTO, NAOKI
APPLICANT: NAKASHIMA, HIDEKI
APPLICANT: MOSUCHI, WATARU
APPLICANT: TANAKA, SHUN'ICHI
APPLICANT: KAWASAKI, YOSHIHIRO
APPLICANT: UCHIDA, TOSHIKI
TITLE OF INVENTION: VIRAL INFECTION AND PROLIFERATION
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: PATENT ADMINISTRATOR, TESTA, HURWITZ &
ADDRESS: THIRBAULT
STREET: 53 STATE STREET
CITY: BOSTON
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/204,487
FILING DATE: 02-MAR-1994
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: CAMPBELL, PAULA A.

REGISTRATION NUMBER: 32,503
REFERENCE/DOCKET NUMBER: FJN-019
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 248-7000
TELEFAX: (617) 248-7100
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..20
OTHER INFORMATION: /note= "ANTIBACTERIAL PEPTIDE
OTHER INFORMATION: DERIVED FROM BOVINE LACTOFERRIN"
US-08-204-487-2

Query Match 40.2%; Score 35; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 12;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 5 KKGAPTTT 13
Db 10 KKGAPPSIT 18

RESULT 11
US-08-256-771-22
Sequence 22, Application US/08256771
Patent No. 5656591
GENERAL INFORMATION:
APPLICANT: Mamoru TOMITA et al.
TITLE OF INVENTION: ANTIMICROBIAL AGENTS AND METHOD FOR TREATING
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wenderoth, Lind & Ponack
STREET: 805 Fifteenth Street, N.W., #700
CITY: Washington
STATE: D.C.
COUNTRY: U.S.A.
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 5.25 inch, 500 kb
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: Wordperfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/256,771
FILING DATE: July 22, 1994
CLASSIFICATION: 514
PRIOR APPLICATION NUMBER:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warren M. Cheek, Jr.
REGISTRATION NUMBER: 33,367
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-371-8850
TELEFAX:
TELEX:
INFORMATION FOR SEQ ID NO: 22:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY:

LOCATION:
IDENTIFICATION METHOD:
OTHER INFORMATION: /note= "Cys residues are linked by
OTHER INFORMATION: disulfide bond"
US-08-256-771-22

Query Match 40.2%; Score 35; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 12;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 KKGAPTT 13
|||:|
Db 10 KKGAPST 18

RESULT 12
US-08-256-771-23
Sequence 23, Application US/08256771
Patent No. 5656591

GENERAL INFORMATION:

APPLICANT: Mamoru TOMITA et al.

TITLE OF INVENTION: ANTIMICROBIAL AGENTS AND METHOD FOR TREATING

NUMBER OF SEQUENCES: 32

CORRESPONDENCE ADDRESS:

ADDRESSEE: Wenderoth, Lind & Ponack

STREET: 805 Fifteenth Street, N.W., #700

CITY: Washington

STATE: D.C.

COUNTRY: U.S.A.

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 5.25 inch, 500 kb

COMPUTER: IBM Compatible

OPERATING SYSTEM: MS-DOS

SOFTWARE: Wordperfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/256,771

FILING DATE: July 22, 1994

CLASSIFICATION: 514

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Warren M. Cheek, Jr.

REGISTRATION NUMBER: 33,367

REFERENCE/DOCKET NUMBER:

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-371-8850

TELEFAX:

INFORMATION FOR SEQ ID NO: 23:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

FEATURE:

NAME/KEY:

LOCATION:

IDENTIFICATION METHOD:

OTHER INFORMATION: /note= "Cys residues are protected to

OTHER INFORMATION: prevent disulfide bond formation"

US-08-256-771-23

Query Match 40.2%; Score 35; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 12;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 KKGAPTT 13
|||:|
Db 10 KKGAPST 18

RESULT 13
US-08-381-984-22
Sequence 22, Application US/08381984
Patent No. 5804555

GENERAL INFORMATION:

APPLICANT: Mamoru TOMITA et al.

TITLE OF INVENTION: ANTIOXIDANT

NUMBER OF SEQUENCES: 32

CORRESPONDENCE ADDRESS:

ADDRESSEE: Wenderoth, Lind & Ponack

STREET: 805 Fifteenth Street, N.W., #700

CITY: Washington

STATE: D.C.

COUNTRY: U.S.A.

ZIP: 20005

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb

COMPUTER: IBM Compatible

OPERATING SYSTEM: MS-DOS

SOFTWARE: Wordperfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/381,984

FILING DATE: April 11, 1995

CLASSIFICATION: 252

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Warren M. Cheek, Jr.

REGISTRATION NUMBER: 33,367

REFERENCE/DOCKET NUMBER:

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-371-8850

TELEFAX:

INFORMATION FOR SEQ ID NO: 22:

SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

FEATURE:

NAME/KEY:

LOCATION:

IDENTIFICATION METHOD:

OTHER INFORMATION: /note= "the specified peptide as well as

OTHER INFORMATION: peptides including the specified peptide as a fragment there

OTHER INFORMATION: and 19 are bonded by disulfide linkage"

US-08-381-984-22

Query Match 40.2%; Score 35; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 12;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 KKGAPTT 13
|||:|
Db 10 KKGAPST 18

RESULT 14
US-08-381-984-23
Sequence 23, Application US/08381984
Patent No. 5804555

GENERAL INFORMATION:

APPLICANT: Mamoru TOMITA et al.

US-08-381-984-23

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; TITLE OF INVENTION: ANTIOXIDANT
; NUMBER OF SEQUENCES: 32
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Wenderoth, Lind & Ponack
; STREET: 805 Fifteenth Street, N.W., #700
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.5 inch, 1.44 mb
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Wordperfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/381,984
; FILING DATE: April 11, 1995
; CLASSIFICATION: 252
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Warren M. Cheek, Jr.
; REGISTRATION NUMBER: 33,367
; REFERENCE/DOCKET NUMBER:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-371-8850
; TELEFAX:
; TELEX:
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY:
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION: /note= "the specified peptide as well as
; OTHER INFORMATION: peptides including the specified peptide as a fragment thereof
; FEATURE:
; NAME/KEY:
; LOCATION:
; IDENTIFICATION METHOD:
; OTHER INFORMATION: /note= "cysteine residues at positions 2
; OTHER INFORMATION: and 19 are chemically modified to prevent disulfide linkage"
; 8-381-984-23

Query Match 40.2%; Score 35; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 12;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 5 KKWGAPTTT 13
Db 10 KKLGAPSIT 18

RESULT 15
US-09-643-597-241
; Sequence 241, Application US/09643597
; Patent No. 6426072
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yassir A.W.

```

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; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 241
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-643-597-241

Query Match 40.2%; Score 35; DB 4; Length 20;
Best Local Similarity 38.5%; Pred. No. 12;
Matches 5; Conservative 4; Mismatches 4; Indels 0; Gaps 0;

QY 4 EKKWGAPTTTNDG 16
Db 1 EKKWGAPTSVSSGG 13

Search completed: July 12, 2003, 09:29:28
Job time : 9.48148 secs

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